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SALUS POPULI SUPREMA LEX ESTO

“The welfare of the people shall be the supreme law.”



ROBIN CARNAHAN
SECRETARY OF STATE

MISSOURI
REGISTER

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The secretary of state's office makes every effort to provide program accessibility to all citizens without regard to disability. If you desire this publication in alternate form because of a disability, please contact the Division of Administrative Rules, PO Box 1767, Jefferson City, MO 65102, (573) 751-4015. Hearing impaired citizens should contact the director through Missouri relay, (800) 735-2966.



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Documents will be accepted for filing on all regular workdays from 8:00 a.m. until 5:00 p.m. We encourage early filings to facilitate the timely publication of the *Missouri Register*. Orders of Rulemaking appearing in the *Missouri Register* will be published in the *Code of State Regulations* and become effective as listed in the chart above. Advance notice of large volume filings will facilitate their timely publication. We reserve the right to change the schedule due to special circumstances. Please check the latest publication to verify that no changes have been made in this schedule. To review the entire year's schedule, please check out the website at <http://www.sos.mo.gov/adrules/pubsched.asp>

Missouri Participating Libraries

The *Missouri Register* and the *Code of State Regulations*, as required by the Missouri Documents Law (section 181.100, RSMo Supp. 2008), are available in the listed participating libraries, as selected by the Missouri State Library:

Jefferson County Library PO Box 1486, 3021 High Ridge High Ridge, MO 63049-1486 (314) 677-8689	Learning Resources Center Mineral Area College PO Box 1000 Park Hills, MO 63601-1000 (573) 431-4593	Hearnes Learning Resources Ctr. Missouri Western State University 4525 Downs Drive St. Joseph, MO 64507-2294 (816) 271-5802	Library Missouri University of Science and Technology 1870 Miner Circle Rolla, MO 65409-0060 (573) 341-4007
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Thomas Jefferson Library University of Missouri-St. Louis 8001 Natural Bridge Road St. Louis, MO 63121-4499 (314) 516-5084	James C. Kirkpatrick Library University of Central Missouri 142 Edwards Library Warrensburg, MO 64093-5020 (660) 543-4149	Elmer Ellis Library University of Missouri-Columbia 106 B Ellis Library Columbia, MO 65211-5149 (573) 882-0748	Garnett Library Missouri State University—West Plains 304 Cleveland West Plains, MO 65775-3414 (417) 255-7945
Washington University Law Library Washington University Campus Box 1171, Mudd Bldg., One Brookings Dr. St. Louis, MO 63130-4899 (314) 935-6443	Kansas City Public Library 14 West 10th Street Kansas City, MO 64105 (816) 701-3546	Library State Historical Society of Missouri 1020 Lowry St. Columbia, MO 65211-7298 (573) 882-9369	Springfield-Greene County Library 4653 S. Campbell Springfield, MO 65801-0760 (417) 874-8110
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HOW TO CITE RULES AND RSMo

RULES—Cite material in the *Missouri Register* by volume and page number, for example, Vol. 28, *Missouri Register*, page 27. The approved short form of citation is 28 MoReg 27.

The rules are codified in the *Code of State Regulations* in this system—

Title	Code of State Regulations	Division	Chapter	Rule
1	CSR	10-	1.	010
Department		Agency, Division	General area regulated	Specific area regulated

They are properly cited by using the full citation , i.e., 1 CSR 10-1.010.

Each department of state government is assigned a title. Each agency or division within the department is assigned a division number. The agency then groups its rules into general subject matter areas called chapters and specific areas called rules. Within a rule, the first breakdown is called a section and is designated as (1). Subsection is (A) with further breakdown into paragraph 1., subparagraph A., part (I), subpart (a), item I. and subitem a.

RSMo—The most recent version of the statute containing the section number and the date.

The Secretary of State shall publish all executive orders beginning January 1, 2003, pursuant to section 536.035.2, RSMo Supp. 2008.

EXECUTIVE ORDER 09-04

WHEREAS, I have been advised by the State Emergency Management Agency that the on-going and forecast severe storm systems have caused, or have the potential to cause, damages associated with snow, freezing rain, sleet, and ice impacting communities throughout the state of Missouri; and

WHEREAS, interruptions of public services are occurring, or anticipated to occur, as a result of the severe weather event that started on January 26, 2009, and is continuing; and

WHEREAS, the severe weather that began on January 26, 2009, and continues, has the potential to create a condition of distress and hazard to the safety, welfare, and property of the citizens of the state of Missouri beyond the capabilities of some local jurisdictions and other established agencies; and

WHEREAS, the state will continue to be proactive where the health and safety of the citizens of Missouri are concerned; and

WHEREAS, the resources of the state of Missouri may be needed to assist affected jurisdictions and to help relieve the condition of distress and hazard to the safety and welfare of our fellow Missourians; and

WHEREAS, an invocation of the provisions of Sections 44.100 and 44.110, RSMo, will be required to ensure the protection of the safety and welfare of the citizens of Missouri.

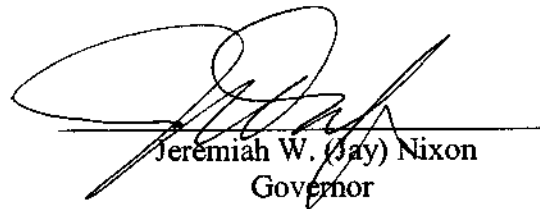
NOW, THEREFORE, I, JEREMIAH W. (JAY) NIXON, Governor of the State of Missouri, by virtue of the authority vested in me by the Constitution and Laws of the state of Missouri, including Sections 44.100 and 44.110, RSMo, do hereby declare that a State of Emergency exists in the state of Missouri. I do hereby direct that the Missouri State Emergency Operations Plan be activated.

I further authorize the use of state agencies to provide assistance, as needed.

This order shall terminate on February 26, 2009, unless extended in whole or in part.



IN WITNESS WHEREOF, I have
hereunto set my hand and caused
to be affixed the Great Seal of the
State of Missouri in the City of
Jefferson on this 26th day of January
2009.



Jeremiah W. (Jay) Nixon
Governor

ATTEST:



Robin Carnahan
Secretary of State

**EXECUTIVE ORDER
09-05**

WHEREAS, the United States Constitution mandates that the nation undertake a census of population every ten years; and

WHEREAS, the Census requires years of planning and requires more than 500,000 temporary workers; and

WHEREAS, it is vitally important that every household completes a Census form; and

WHEREAS, the Census is used to apportion seats in the United States House of Representatives; and

WHEREAS, the State of Missouri faces the possible loss of a seat in the United States House of Representatives based on Missouri's population counts relative to those of all other states; and

WHEREAS, federal funds are vital to Missourians and distributed based on population counts collected during the Census; and

WHEREAS, the United States Census Bureau encourages all states to form a Complete Count Committee with the goals of heightening awareness about the 2010 Census and encouraging the populace to participate in the United States Census of Population; and

WHEREAS, a Complete Count Committee is comprised of individuals, including the state demographer, who work together to develop outreach plans to encourage participation in the census to make sure all persons are counted; and

WHEREAS, the State of Missouri is committed to ensuring Missouri has an accurate count of its citizens during the 2010 Census.

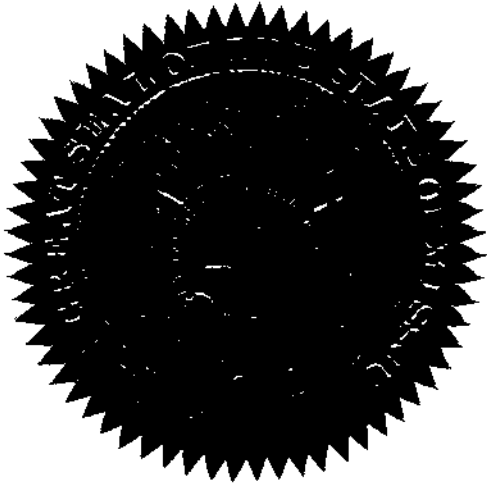
NOW, THEREFORE, I, JEREMIAH W. (JAY) NIXON, GOVERNOR OF THE STATE OF MISSOURI, by virtue of the authority vested in me by the Constitution and laws of the State of Missouri, do hereby order the establishment of a Complete Count Committee.

I hereby charge the Committee with heightening Missouri's awareness of the 2010 Census, encouraging participation in the process, developing targeted community outreach and working to ensure that every resident is counted:


1. The Committee will be chaired by the Commissioner of Administration.
2. No more than 30 additional members will be appointed by the Governor. Additional appointments will represent Missouri's diverse population. Membership on the committee will be bipartisan and representative of the state. The State Demographer shall be one of the members.
3. The Governor will, whenever possible, appoint members who have interaction with Complete Count Committees that have been, or will be, established at the local or sub-state level.

4. The Committee shall begin work on an action plan soon after its formation that will identify specific areas or groups within Missouri, which are isolated geographically, linguistically, racially, culturally, or otherwise, that may be hard to enumerate. The plan also should identify strategies to overcome recognized barriers; develop campaigns targeted toward the identified areas or groups, which will build awareness of Census 2010; and encourage cooperation with enumerators.
5. The chair, in consultation with the Governor, will decide if the committee will have subcommittees. The purpose of such subcommittees will be to help the committee better achieve its mission on a particular geographic region or group of citizens within the State of Missouri.
6. The Committee members shall not be compensated for their services other than reimbursement of costs directly associated with the execution of their duties, subject to appropriation.
7. The Committee is authorized to submit requests for appropriations through the Commissioner of Administration necessary to carry out its charge.
8. The Committee shall fulfill this charge in the most cost-effective manner possible.
9. Staff support will be provided by the Office of Administration.
10. The Committee shall meet at least quarterly until March 31, 2010, and as often as is required thereafter to complete this charge.
11. The Committee shall provide quarterly reports to the Governor on its activities beginning March 30, 2009.
12. Wherever possible, the Committee should coordinate its efforts with those of the United States Bureau of the Census and Complete Count Committees established at the local or sub-state level.
13. The Committee shall submit a final report to the Governor summarizing its activities and suggesting improvements to Missouri's Complete Count Committee for Census 2020.
14. Executive Order 08-34 is hereby superseded and replaced by this Executive Order.

The Committee will complete its work and submit its final report by August 1, 2010.



IN WITNESS WHEREOF, I have hereunto set my hand and caused to be affixed the Great Seal of the State of Missouri, in the City of Jefferson, on this 27th day of January, 2009.


Jeremiah W. (Jay) Nixon
Governor

ATTEST:


Robin Carnahan
Secretary of State

EXECUTIVE ORDER

09-06

WHEREAS, I have been advised by the State Emergency Management Agency that the severe storm system has caused significant damage associated with snow, freezing rain, sleet, and ice impacting communities throughout the state of Missouri; and

WHEREAS, interruptions of public services are occurring, or anticipated to occur, as a result of the severe weather event that started on January 26, 2009, and is continuing; and

WHEREAS, the severe weather that began on January 26, 2009, and continues, has the potential to create a condition of distress and hazard to the safety, welfare, and property of the citizens of the state of Missouri beyond the capabilities of some local jurisdictions and other established agencies; and

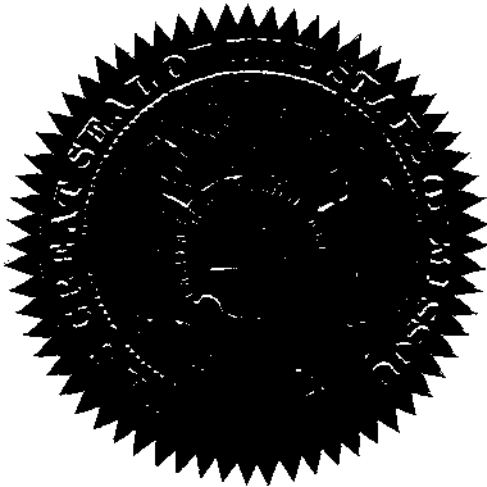
WHEREAS, the state will continue to be proactive where the health and safety of the citizens of Missouri are concerned; and

WHEREAS, the resources of the state of Missouri may be needed to assist affected jurisdictions and to help relieve the condition of distress and hazard to the safety and welfare of our fellow Missourians; and

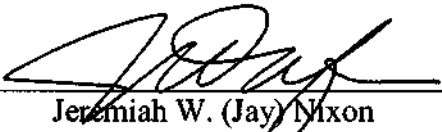
WHEREAS, an invocation of the provisions of Sections 44.100 and 44.110, RSMo, will be required to ensure the protection of the safety and welfare of the citizens of Missouri.

NOW, THEREFORE, I, JEREMIAH W. (JAY) NIXON, GOVERNOR OF THE STATE OF MISSOURI, by virtue of the authority vested in me by the Constitution and Laws of the state of Missouri, including Section 41.480.2 RSMo, order and direct the Adjutant General of the state of Missouri, or his designee, to forthwith call and order into active service such portions of the organized militia as he deems necessary to aid the executive officials of Missouri, to protect life and property, and it is further ordered and directed that the Adjutant General or his designee, and through him, the commanding officer of any unit or other organization of such organized militia so called into active service take such action and employ such equipment as may be necessary in support of civilian authorities, and provide such assistance as may be authorized and directed by the Governor of this state.

This order shall terminate on February 26, 2009, unless extended in whole or in part.



IN WITNESS WHEREOF, I have hereunto set my hand and caused to be affixed the Great Seal of the State of Missouri, in the City of Jefferson, on this 28th day of January, 2009.


Jeremiah W. (Jay) Nixon
Governor

ATTEST:


Robin Carnahan
Secretary of State

**EXECUTIVE ORDER
09-07**

WHEREAS, the State Emergency Management Agency has advised me that severe weather has caused a natural disaster of significant proportions in Missouri; and

WHEREAS, the severe winter weather that began on January 26, 2009, has created a condition of distress and hazards to the safety and welfare of the citizens of the state of Missouri beyond the capabilities of some local jurisdictions and other established agencies; and

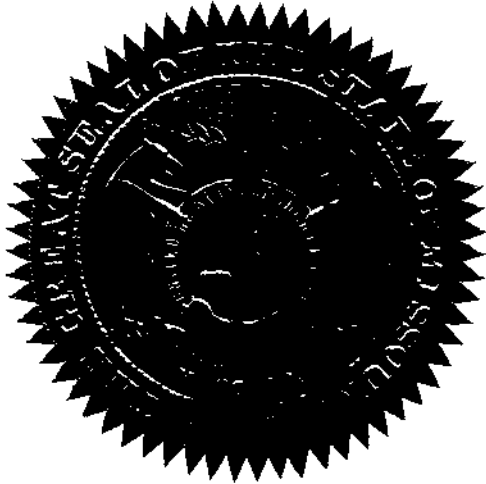
WHEREAS, the Missouri Department of Natural Resources is charged by law with protecting and enhancing the quality of Missouri's environment and with enforcing a variety of environmental rules and regulations; and

WHEREAS, in order to respond to the emergency and expedite the cleanup and recovery process, it is necessary to adjust certain environmental rules and regulations on a temporary and short-term basis.

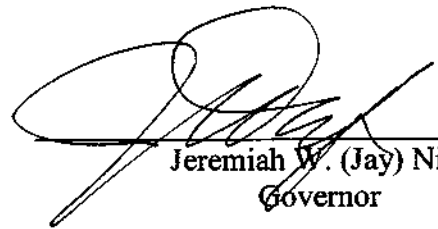
NOW, THEREFORE, I, JEREMIAH W. (JAY) NIXON, GOVERNOR OF THE STATE OF MISSOURI, by virtue of the authority vested in me by Chapter 44, RSMo, do hereby issue the following order:

The Acting Director of the Missouri Department of Natural Resources is vested with full discretionary authority to temporarily waive or suspend the operation of any statutory or administrative rule or regulation currently in place under his purview in order to best serve the interests of the public health and safety during the period of the emergency and the subsequent recovery period.

This order shall terminate on March 31, 2009, unless extended in whole or in part.



IN WITNESS WHEREOF, I have hereunto set my hand and caused to be affixed the Great Seal of the State of Missouri, in the City of Jefferson, on this 30th day of January, 2009.



Jeremiah W. (Jay) Nixon
Governor

ATTEST:



Robin Carnahan
Secretary of State

EXECUTIVE ORDER

09-08

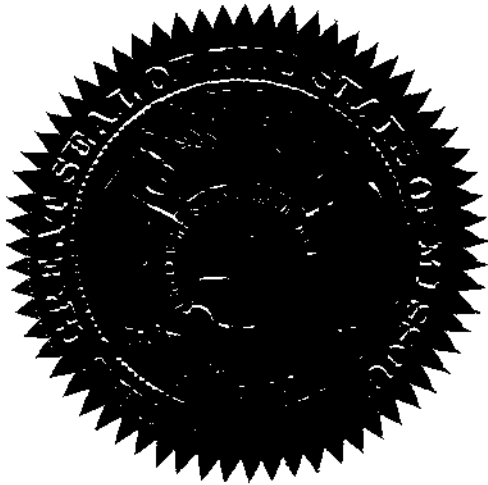
WHEREAS, Section 105.454(5), RSMo, requires the Governor to designate those members of his staff who have supervisory authority over each department, division or agency of the state government.

NOW, THEREFORE, I, JEREMIAH W. (JAY) NIXON, GOVERNOR OF MISSOURI, by virtue and authority vested in me by the Constitution and laws of the State of Missouri, do hereby designate the following members of my staff as having supervisory authority over the following departments, divisions or agencies:

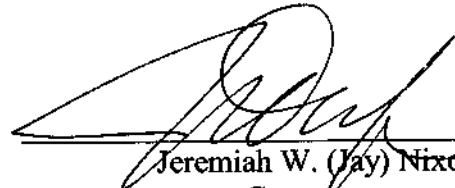
Office of Administration
Department of Agriculture
Department of Conservation
Department of Corrections
Department of Economic Development
Department of Elementary and Secondary Education
Department of Health and Senior Services
Department of Higher Education
Department of Insurance, Financial Institutions
and Professional Registration
Department of Labor and Industrial Relations
Department of Mental Health
Department of Natural Resources
Department of Public Safety
Department of Revenue
Department of Social Services
Department of Transportation
Missouri Housing Development Commission
Boards Assigned to the Governor
Unassigned Boards and Commissions

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John Watson
Dustin Allison
Edward R. Ardini, Jr.
Dustin Allison
Jeff Harris
Jeff Harris
Jeff Harris

Mary Nelson
Edward R. Ardini, Jr.
Mayme Miller
John Watson
Edward R. Ardini, Jr.
Dustin Allison
Jeff Mazur
Daniel Hall
Edward R. Ardini, Jr.
Mary Nelson
Mary Nelson.




IN WITNESS WHEREOF, I have hereunto set my hand and caused to be affixed the Great Seal of the State of Missouri, in the City of Jefferson, on this 2nd day of February, 2009.



Jeremiah W. (Jay) Nixon
Governor

ATTEST:



Robin Carnahan
Secretary of State

Under this heading will appear the text of proposed rules and changes. The notice of proposed rulemaking is required to contain an explanation of any new rule or any change in an existing rule and the reasons therefor. This is set out in the Purpose section with each rule. Also required is a citation to the legal authority to make rules. This appears following the text of the rule, after the word "Authority."

Entirely new rules are printed without any special symbolology under the heading of the proposed rule. If an existing rule is to be amended or rescinded, it will have a heading of proposed amendment or proposed rescission. Rules which are proposed to be amended will have new matter printed in boldface type and matter to be deleted placed in brackets.

An important function of the *Missouri Register* is to solicit and encourage public participation in the rulemaking process. The law provides that for every proposed rule, amendment or rescission there must be a notice that anyone may comment on the proposed action. This comment may take different forms.

If an agency is required by statute to hold a public hearing before making any new rules, then a Notice of Public Hearing will appear following the text of the rule. Hearing dates must be at least thirty (30) days after publication of the notice in the *Missouri Register*. If no hearing is planned or required, the agency must give a Notice to Submit Comments. This allows anyone to file statements in support of or in opposition to the proposed action with the agency within a specified time, no less than thirty (30) days after publication of the notice in the *Missouri Register*.

An agency may hold a public hearing on a rule even though not required by law to hold one. If an agency allows comments to be received following the hearing date, the close of comments date will be used as the beginning day in the ninety (90)-day-count necessary for the filing of the order of rulemaking.

If an agency decides to hold a public hearing after planning not to, it must withdraw the earlier notice and file a new notice of proposed rulemaking and schedule a hearing for a date not less than thirty (30) days from the date of publication of the new notice.

state-approved teacher preparation program or earned a doctoral degree may be granted an initial Missouri certificate of license to teach in their major area of study subject to the specific certification requirements found in the *Compendium of Missouri Certification Requirements* (compendium), which is incorporated by reference and made a part of this rule. Anyone interested in viewing or requesting a copy of the compendium, published by the Department of Elementary and Secondary Education (revised January [2008/2009], may contact the Educator Certification Section, 205 Jefferson Street, PO Box 480, Jefferson City, MO 65102-0480. This rule does not incorporate any subsequent amendment or additions.

AUTHORITY: sections 168.011, 168.405, and 168.409, RSMo 2000 and sections 161.092, 168.021, 168.071, 168.081, and 168.400, RSMo Supp. [2007] 2008. Original rule filed April 26, 2000, effective Nov. 30, 2000. For intervening history, please consult the Code of State Regulations. Amended: Filed Jan. 30, 2009.

PUBLIC COST: This proposed amendment will not cost state agencies or political subdivisions more than five hundred dollars (\$500) in the aggregate.

PRIVATE COST: This proposed amendment will not cost private entities more than five hundred dollars (\$500) in the aggregate.

*NOTICE TO SUBMIT COMMENTS: Anyone may file a statement in support of or in opposition to this proposed amendment with the Department of Elementary and Secondary Education, Attn: Dr. Charles Brown, Assistant Commissioner, Division of Teacher Quality and Urban Education, PO Box 480, Jefferson City, MO 65102-0480, or by email to tammy.allee@dese.mo.gov. To be considered, comments must be received within thirty (30) days after publication of this notice in the *Missouri Register*. No public hearing is scheduled.*

Title 5—DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION

Division 80—Teacher Quality and Urban Education Chapter 800—Educator Certification

PROPOSED AMENDMENT

5 CSR 80-800.220 Application for Certificate of License to Teach for Administrators. The State Board of Education is amending section (1) and the *Compendium of Missouri Certification Requirements*, which is incorporated by reference.

PURPOSE: This amendment incorporates changes in the compendium to update certification requirements for various certification areas and corrects typographical errors as of January 2009.

(1) An applicant may be granted an administrator certificate of license to teach in the following areas subject to the specific certification requirements found in the *Compendium of Missouri Certification Requirements* (compendium), which is incorporated by reference and made a part of this rule, and criteria established in the rules promulgated by the State Board of Education (board), to an individual who possesses good moral character. Anyone interested in viewing or requesting a copy of the compendium, published by the Department of Elementary and Secondary Education (revised January [2008/2009], may contact the Educator Certification Section, 205 Jefferson Street, PO Box 480, Jefferson City, MO 65102-0480. This rule does not incorporate any subsequent amendments or additions:

Proposed Amendment Text Reminder:

Boldface text indicates new matter.

[Bracketed text indicates matter being deleted.]

Title 5—DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION

Division 80—Teacher Quality and Urban Education Chapter 800—Educator Certification

PROPOSED AMENDMENT

5 CSR 80-800.200 Application for Certificate of License to Teach. The State Board of Education is amending section (1) and the *Compendium of Missouri Certification Requirements*, which is incorporated by reference.

PURPOSE: This amendment incorporates changes in the compendium to update certification requirements for various certification areas and corrects typographical errors as of January 2009.

(1) An applicant for a Missouri certificate of license to teach who possesses good moral character and has successfully completed a

AUTHORITY: sections 161.092, 168.021, 168.071, 168.081, and 168.400, RSMo Supp. [2007] 2008 and sections 168.011, 168.405, and 168.409, RSMo 2000. Original rule filed April 26, 2000, effective Nov. 30, 2000. For intervening history, please consult the *Code of State Regulations*. Amended: Filed Jan. 30, 2009.

PUBLIC COST: This proposed amendment will not cost state agencies or political subdivisions more than five hundred dollars (\$500) in the aggregate.

PRIVATE COST: This proposed amendment will not cost private entities more than five hundred dollars (\$500) in the aggregate.

NOTICE TO SUBMIT COMMENTS: Anyone may file a statement in support of or in opposition to this proposed amendment with the Department of Elementary and Secondary Education, Attention: Dr. Charles Brown, Assistant Commissioner, Division of Teacher Quality and Urban Education, PO Box 480, Jefferson City, MO 65102-0480, or by email to tammy.allee@dese.mo.gov. To be considered, comments must be received within thirty (30) days after publication of this notice in the *Missouri Register*. No public hearing is scheduled.

**Title 5—DEPARTMENT OF ELEMENTARY AND
SECONDARY EDUCATION
Division 80—Teacher Quality and Urban Education
Chapter 800—Educator Certification**

PROPOSED AMENDMENT

5 CSR 80-800.230 Application for a Student Services Certificate of License to Teach. The State Board of Education is amending sections (1), (5), and the *Compendium of Missouri Certification Requirements*, which is incorporated by reference.

PURPOSE: This amendment incorporates changes in the compendium to update certification requirements for various certification areas and corrects typographical errors as of January 2009.

(1) An applicant for a student services certificate of license to teach may be granted in the following areas subject to the specific certification requirements found in the *Compendium of Missouri Certification Requirements* (compendium), which is incorporated by reference and made a part of this rule. Anyone interested in viewing or requesting a copy of the compendium, published by the Department of Elementary and Secondary Education (revised January [2008] 2009), may contact the Educator Certification Section, PO Box 480, Jefferson City, MO 65102-0480. This rule does not incorporate any subsequent amendments or additions. The criteria established in the rules, promulgated by the State Board of Education (board), to an individual who possesses good moral character is:

(5) The applicant for a student services certificate of license to teach as a school counselor must comply with the following additional criteria:

(B) The applicant must possess either:

1. A master's or higher degree in school counseling from a state-approved school counselor preparation program; or

2. A master's or higher degree in education, school counseling, counseling, counseling psychology, **rehabilitation counseling**, or a closely related mental health discipline with additional graduate course work specific to school counseling, as designated by the state-approved recommending certification official, including a supervised internship or field experience of at least three hundred (300) hours in an appropriate school setting; and

AUTHORITY: sections 161.092, 168.021, 168.071, 168.081, and

168.400, RSMo Supp. [2007] 2008 and section 168.011, RSMo 2000. Original rule filed April 26, 2000, effective Nov. 30, 2000. For intervening history, please consult the *Code of State Regulations*. Amended: Filed Jan. 30, 2009.

PUBLIC COST: This proposed amendment will not cost state agencies or political subdivisions more than five hundred dollars (\$500) in the aggregate.

PRIVATE COST: This proposed amendment will not cost private entities more than five hundred dollars (\$500) in the aggregate.

NOTICE TO SUBMIT COMMENTS: Anyone may file a statement in support of or in opposition to this proposed amendment with the Department of Elementary and Secondary Education, Attention: Dr. Charles Brown, Assistant Commissioner, Division of Teacher Quality and Urban Education, PO Box 480, Jefferson City, MO 65102-0480, or by email to tammy.allee@dese.mo.gov. To be considered, comments must be received within thirty (30) days after publication of this notice in the *Missouri Register*. No public hearing is scheduled.

**Title 5—DEPARTMENT OF ELEMENTARY AND
SECONDARY EDUCATION
Division 80—Teacher Quality and Urban Education
Chapter 800—Educator Certification**

PROPOSED AMENDMENT

5 CSR 80-800.260 Temporary Authorization Certificate of License to Teach. The State Board of Education is amending sections (7), (14), and the *Compendium of Missouri Certification Requirements*, which is incorporated by reference.

PURPOSE: This amendment incorporates changes in the compendium to update certification requirements for various certification areas and corrects typographical errors as of January 2009.

(7) The applicant for a temporary authorization certificate (excluding a temporary authorization administrator's and/or career education certificate) must comply with the following criteria:

(D) If this is the applicant's initial certificate of license to teach, documentation of a plan of study based upon required certification competencies incorporated in classes provided by an accredited college or university. If the applicant holds an initial Missouri professional or life certificate of license to teach and is seeking an additional certificate of license to teach, a transcript analysis from DESE based on the requirements set forth in the *Compendium of Missouri Certification Requirements* (compendium), which is incorporated by reference and made a part of this rule, must be submitted. Anyone interested in viewing or requesting a copy of the compendium, published by the Department of Elementary and Secondary Education (revised January [2008] 2009), may contact the Educator Certification Section, 205 Jefferson Street, PO Box 480, Jefferson City, MO 65102-0480. This rule does not incorporate any subsequent amendments or additions.

(14) An individual may qualify for a professional classification certificate of license to teach upon documentation of the following:

(A) The certificate holder has been teaching under a temporary authorization certificate of license to teach for a minimum of [three (3)] **two (2)** years;

AUTHORITY: sections 161.092, 168.021, 168.071, 168.081, and 168.083, RSMo Supp. [2007] 2008 and section 168.011, RSMo 2000. Original rule filed April 26, 2000, effective Nov. 30, 2000. For intervening history, please consult the *Code of State Regulations*. Amended: Filed Jan. 30, 2009.

PUBLIC COST: This proposed amendment will not cost state agencies or political subdivisions more than five hundred dollars (\$500) in the aggregate.

PRIVATE COST: This proposed amendment will not cost private entities more than five hundred dollars (\$500) in the aggregate.

NOTICE TO SUBMIT COMMENTS: Anyone may file a statement in support of or in opposition to this proposed amendment with the Department of Elementary and Secondary Education, Attention: Dr. Charles Brown, Assistant Commissioner, Division of Teacher Quality and Urban Education, PO Box 480, Jefferson City, MO 65102-0480, or by email to tammy.allee@dese.mo.gov. To be considered, comments must be received within thirty (30) days after publication of this notice in the *Missouri Register*. No public hearing is scheduled.

**Title 5—DEPARTMENT OF ELEMENTARY AND
SECONDARY EDUCATION
Division 80—Teacher Quality and Urban Education
Chapter 800—Educator Certification**

PROPOSED AMENDMENT

5 CSR 80-800.270 Application for a Career Education Certificate of License to Teach. The State Board of Education is amending section (5) and the *Compendium of Missouri Certification Requirements*, which is incorporated by reference.

PURPOSE: This amendment incorporates changes in the compendium to update certification requirements for various certification areas and corrects typographical errors as of January 2009.

(5) The applicant must comply with the specific requirements for the various career education certificates of license to teach as set forth in the *Compendium of Missouri Certification Requirements* (compendium), which is incorporated by reference and made a part of this rule. Anyone interested in viewing or requesting a copy of the compendium, published by the Department of Elementary and Secondary Education (revised January [2008] 2009), may contact the Educator Certification Section, 205 Jefferson Street, PO Box 480, Jefferson City, MO 65102-0480. This rule does not incorporate any subsequent amendments or additions.

AUTHORITY: sections 161.092, 168.021, 168.071, and 168.081, RSMo Supp. [2007] 2008 and section 168.011, RSMo 2000. Original rule filed April 26, 2000, effective Nov. 30, 2000. For intervening history, please consult the *Code of State Regulations*. Amended: Filed Jan. 30, 2009.

PUBLIC COST: This proposed amendment will not cost state agencies or political subdivisions more than five hundred dollars (\$500) in the aggregate.

PRIVATE COST: This proposed amendment will not cost private entities more than five hundred dollars (\$500) in the aggregate.

NOTICE TO SUBMIT COMMENTS: Anyone may file a statement in support of or in opposition to this proposed amendment with the Department of Elementary and Secondary Education, Attention: Dr. Charles Brown, Assistant Commissioner, Division of Teacher Quality and Urban Education, PO Box 480, Jefferson City, MO 65102-0480, or by email to tammy.allee@dese.mo.gov. To be considered, comments must be received within thirty (30) days after publication of this notice in the *Missouri Register*. No public hearing is scheduled.

**Title 5—DEPARTMENT OF ELEMENTARY AND
SECONDARY EDUCATION
Division 80—Teacher Quality and Urban Education
Chapter 800—Educator Certification**

PROPOSED AMENDMENT

5 CSR 80-800.280 Application for an Adult Education and Literacy Certificate of License to Teach. The State Board of Education is amending section (5) and the *Compendium of Missouri Certification Requirements*, which is incorporated by reference.

PURPOSE: This amendment incorporates changes in the compendium to update certification requirements for various certification areas and corrects typographical errors as of January 2009.

(5) The following AEL professional classification certificates of license to teach may be issued and renewed as set forth in the *Compendium of Missouri Certification Requirements* (compendium), which is incorporated by reference and made a part of this rule. Anyone interested in viewing or requesting a copy of the compendium, published by the Department of Elementary and Secondary Education (revised January [2008] 2009), may contact the Educator Certification Section, 205 Jefferson Street, PO Box 480, Jefferson City, MO 65102-0480. This rule does not incorporate any subsequent amendments or additions:

AUTHORITY: sections 161.092, 168.021, 168.071, and 168.081, RSMo Supp. [2007] 2008 and section 168.011, RSMo 2000. Original rule filed April 26, 2000, effective Nov. 30, 2000. For intervening history, please consult the *Code of State Regulations*. Amended: Filed Jan. 30, 2009.

PUBLIC COST: This proposed amendment will not cost state agencies or political subdivisions more than five hundred dollars (\$500) in the aggregate.

PRIVATE COST: This proposed amendment will not cost private entities more than five hundred dollars (\$500) in the aggregate.

NOTICE TO SUBMIT COMMENTS: Anyone may file a statement in support of or in opposition to this proposed amendment with the Department of Elementary and Secondary Education, Attention: Dr. Charles Brown, Assistant Commissioner, Division of Teacher Quality and Urban Education, PO Box 480, Jefferson City, MO 65102-0480, or by email to tammy.allee@dese.mo.gov. To be considered, comments must be received within thirty (30) days after publication of this notice in the *Missouri Register*. No public hearing is scheduled.

**Title 5—DEPARTMENT OF ELEMENTARY AND
SECONDARY EDUCATION
Division 80—Teacher Quality and Urban Education
Chapter 800—Educator Certification**

PROPOSED AMENDMENT

5 CSR 80-800.350 Certificate of License to Teach Content Areas. The State Board of Education is amending section (2), Appendix A, and the *Compendium of Missouri Certification Requirements*, which is incorporated by reference.

PURPOSE: This amendment incorporates changes in the compendium to update certification requirements for various certification areas and corrects typographical errors as of January 2009.

(2) Certificates of license to teach are issued and renewed by the State Board of Education (board) pursuant to the certification requirements found in the *Compendium of Missouri Certification*

Requirements (compendium), which is incorporated by reference and made a part of this rule, and the rules promulgated by the board in the specialized areas as follows. Anyone interested in viewing or requesting a copy of the compendium, published by the Department of Elementary and Secondary Education (revised January [2008/2009]), may contact the Educator Certification Section, 205 Jefferson Street, PO Box 480, Jefferson City, MO 65102-0480. This rule does not incorporate any subsequent amendments or additions.

(J) Career education certificates of license to teach may be issued in one (1) or more of the following areas (see Appendix A, which is included herein):

1. Agriculture education;
2. Business education;
3. Family, *[and c/Consumer [s]/Science[s education], and Human Services;*
4. Health sciences;
5. Junior Reserve Officers Training Corps (ROTC);
6. Marketing education;
7. Special needs; and/or
8. *[Trade and industrial education] Technology and Engineering;*

Appendix A—Career Education Certificates

Agricultur~~a~~l Education

- Agricultural Business
- Agricultural Education
- Agricultural Mechanics
- Agricultural Processing
- Agricultural Production
- Agricultural Resources
- Agricultural Services/Supplies
- Forestry
- Horticulture

Business Education

- Career Business Education

[Family and Consumer Sciences Education] Family, Consumer Science, and Human Services

- Apparel and Textiles
- **Career Family and Consumer Science**
- **Cosmetic Services, Other**
- **Cosmetologist***
- **Culinary Arts**
- Dietetic Services
- **Food and Beverage/Restaurant Operations Manager**
- Food Production, Management, and Related Services
- **Hospitality Administration/Management, General**
- Housing and Home Environments
- Human Development/Adult Development and Aging
- Human Development/Child Care
- **Massage Therapy***

[Career Family and Consumer Sciences]

Health Sciences

- Dental Assistant*
- Dental Hygienist*
- Dental Laboratory Technician
- Diagnostic Medical Sonography Technician*
- Emergency Medical Technology/Technician*
- Funeral Service and Mortuary Science*

*[Health Aide (Health Services Assistant) *]*

- Health Professions and Related Sciences, Other
- Health Unit Coordinator/Ward Clerk
- Licensed Practical Nursing (LPN Training)*

*[Massage Therapy *]*

- Medical Assistant*
- Medical Laboratory Assistant*
- Medical Laboratory Technician*
- Medical Radiologic Technology/Technician*
- Medical Record Technology/Technician (Health Information Technology)*
- Medical Transcription*
- Nursing Assistant/Aide*
- Nursing, Other*
- Occupational Therapy Assistant*
- Pharmacy Technician/Assistant*
- Physical Therapy Assistant*
- Registered Nursing (RN Training)*
- Respiratory Therapy Technician*
- Sign Language Interpreter*
- Surgical/Operating Room Technology*

Marketing Education

- Marketing

[Trade and Industrial Education] Technology and Engineering

- Aircraft Mechanic/Technician, Airframe*
- Aircraft Mechanic/Technician, Powerplant*
- Architectural Engineering Technology/Technician
- Auto/Automotive Body Repairer
- Auto/Automotive Mechanic/Technician
- Automotive Engineering Technology/Technician
- **Aviation Management**
- Aviation Systems and Avionics Maintenance Technologist/Technician*
- Biomedical Engineering-Related Technology/Technician
- Building/Property Maintenance and Manager
- Cabinet Maker and Millworker
- Carpenter
- **Cartography**
- Chemical Technology/Technician
- Civil Engineering/Civil Technology/Technician
- Commercial Photography
- Communications Systems Installer and Repairer
- Computer Installer and Repairer
- Computer Maintenance Technology/Technician

[Construction and Building Finishers and Managers, Other]

- Construction Equipment Operator

[Construction Trades, Other]

- Construction/Building Technology/Technician

[Cosmetic Services, Other]

*[Cosmetologist *]*

[Culinary Arts]

- Diesel Engine Mechanic and Repairer
- Drafting, General

[Drycleaner and Launderer (Commercial)]

- Electrical and Electronics Equipment Installer and Repairer, General

[Electrical and Electronics Equipment Installer and Repairer, Other]

- Electrical and Power Transmission Installer, General

[Electrical, Electronic and Communications Engineering Technology/Technician]

[Electrician]

- Electromechanical Technology/Technician
- Fire Protection and Safety Technology/Technician
- Fire Science/Firefighting

[Food and Beverage/Restaurant Operations Manager]

- Graphic and Printing Equipment Operator, General

[Graphic and Printing Equipment Operator, Other]

- Graphic Design, Commercial Art, and Illustration
- Heating, Air Conditioning, and Refrigeration Mechanic and Repairer

- Heavy Equipment Maintenance and Repairer
- Industrial Design
- Industrial Electronics Installer and Repairer
- [*Industrial Equipment Maintenance and Repairer, Other*]
- Industrial Machinery Maintenance and Repairer
- [*Industrial Production Technologies/Technicians, Other*]
- [*Industrial Technology/Technician*]
- Instrumentation Technology/Technician
- Ironworking/Ironworker
- Laser and Optical Technology/Technician
- Law Enforcement/Police Science
- Machinist/Machine Technologist
- Major Appliance Installer and Repairer
- Manufacturing Technology
- Marine Maintenance and Ship Repairer
- Mason and Tile Setter
- Mechanical Engineering/Mechanical Technology/Technician
- Motorcycle Mechanic and Repairer
- Nuclear Engineering Technology/Technician
- Occupational Safety and Health Technology/Technician
- Painter and Wall Coverer
- Pipefitting/Pipefitter and Sprinkler Fitter
- Plumbing Technology/Plumber
- Quality Control Technology/Technician
- Radio and Television Broadcasting Technology/Technician
- Robotics Technology/Technician
- Sheet Metal Worker
- Small Engine Mechanic and Repairer
- Truck, Bus, and Other Commercial Vehicle Operator
- Upholsterer
- [*Vehicle and Mobile Equipment Mechanics and Repairer, Other*]
- Water Quality and Wastewater Treatment Technology/Technician
- Welder/Welding Technologist

* Requires Professional Licensing

AUTHORITY: sections 161.092, 168.021, 168.071, 168.081, and 168.400, RSMo Supp. [2007] 2008 and section 168.011, RSMo 2000. Original rule filed April 26, 2000, effective Nov. 30, 2000. For intervening history, please consult the *Code of State Regulations*. Amended: Filed Jan. 30, 2009.

PUBLIC COST: This proposed amendment will not cost state agencies or political subdivisions more than five hundred dollars (\$500) in the aggregate.

PRIVATE COST: This proposed amendment will not cost private entities more than five hundred dollars (\$500) in the aggregate.

NOTICE TO SUBMIT COMMENTS: Anyone may file a statement in support of or in opposition to this proposed amendment with the Department of Elementary and Secondary Education, Attention: Dr. Charles Brown, Assistant Commissioner, Division of Teacher Quality and Urban Education, PO Box 480, Jefferson City, MO 65102-0480, or by email to tammy.allee@dese.mo.gov. To be considered, comments must be received within thirty (30) days after publication of this notice in the *Missouri Register*. No public hearing is scheduled.

**Title 5—DEPARTMENT OF ELEMENTARY AND
SECONDARY EDUCATION
Division 80—Teacher Quality and Urban Education
Chapter 800—Educator Certification**

PROPOSED AMENDMENT

5 CSR 80-800.360 Certificate of License to Teach Classifications. The State Board of Education is amending section (1) and the *Compendium of Missouri Certification Requirements*, which is incorporated by reference.

PURPOSE: This amendment incorporates changes in the compendium to update certification requirements for various certification areas and corrects typographical errors as of January 2009.

(1) Certificates of license to teach are issued and renewed by the State Board of Education (board) pursuant to the certification requirements found in the *Compendium of Missouri Certification Requirements* (compendium), which is incorporated by reference and made a part of this rule, and the rules promulgated by the board. Anyone interested in viewing or requesting a copy of the compendium, published by the Department of Elementary and Secondary Education (revised January [2008] 2009), may contact the Educator Certification Section, 205 Jefferson Street, PO Box 480, Jefferson City, MO 65102-0480. This rule does not incorporate any subsequent amendments or additions.

AUTHORITY: sections 161.092, 168.021, 168.071, 168.081, and 168.400, RSMo Supp. [2007] 2008 and sections 168.011, 168.128, 168.405, and 168.409, RSMo 2000. Original rule filed April 26, 2000, effective Nov. 30, 2000. For intervening history, please consult the *Code of State Regulations*. Amended: Filed Jan. 30, 2009.

PUBLIC COST: This proposed amendment will not cost state agencies or political subdivisions more than five hundred dollars (\$500) in the aggregate.

PRIVATE COST: This proposed amendment will not cost private entities more than five hundred dollars (\$500) in the aggregate.

NOTICE TO SUBMIT COMMENTS: Anyone may file a statement in support of or in opposition to this proposed amendment with the Department of Elementary and Secondary Education, Attention: Dr. Charles Brown, Assistant Commissioner, Division of Teacher Quality and Urban Education, PO Box 480, Jefferson City, MO 65102-0480, or by email to tammy.allee@dese.mo.gov. To be considered, comments must be received within thirty (30) days after publication of this notice in the *Missouri Register*. No public hearing is scheduled.

**Title 5—DEPARTMENT OF ELEMENTARY AND
SECONDARY EDUCATION
Division 80—Teacher Quality and Urban Education
Chapter 800—Educator Certification**

PROPOSED AMENDMENT

5 CSR 80-800.380 Required Assessments for Professional Education Certification in Missouri. The State Board of Education is amending the *Compendium of Missouri Certification Requirements*, which is incorporated by reference, and Appendix A, included herein.

PURPOSE: This amendment is updating the compendium and Appendix A along with amending three (3) of the existing Praxis II assessments that have been regenerated, and new forms of the assessments will be administered during the 2008–2009 testing year. These assessments will have new test codes: Family and Consumer Sciences (0121), Marketing Education (0561), and School Psychologist (0401). The Praxis II assessments' five (5)-digit test codes are being replaced by a four (4)-digit test code to reflect current test codes established by the Educational Testing Service (ETS).

(1) Each applicant seeking a Missouri certificate of license to teach will successfully complete an exit assessment to measure the applicant's competency in subject matter, pedagogical knowledge, or both, prior to being granted the certificate. An exemption exists if the applicant holds a valid certificate of license to teach from another state.

(A) The State Board of Education (board) has selected the Praxis II: Content Knowledge or Specialty Area assessments and the Principles of Learning and Teaching assessments developed by the Educational Testing Service (ETS) as the exit assessments for certificates of license to teach. Qualifying scores are established by the board and published by ETS for each assessment designated for an area of certification.

1. Applicants seeking initial certificates of license to teach must complete and achieve a Missouri qualifying score in the content knowledge or specialty area assessment in their major area of preparation or the appropriate principles of learning and teaching assessment if no content knowledge or specialty area assessment is designated, except in the areas of special education, student services, and administration (see Appendix A, which is included herein).

2. Applicants holding a valid Missouri professional or life certificate of license to teach in a content area who are seeking an additional certificate(s) of license to teach in another content area(s), will receive the additional certificate(s) upon meeting either of the following conditions:

A. Complete and achieve a Missouri qualifying score for the Praxis II content knowledge or specialty area assessment designated for the certificate of license to teach, except for the areas of unified science, special education other than mild/moderate cross-categorical disabilities, student services, administration, career education, and adult education and literacy; or

B. Successfully complete the applicable certification requirements as set forth in the *Compendium of Missouri Certification Requirements* (compendium), which is incorporated by reference and made a part of this rule. Anyone interested in viewing or requesting a copy of the compendium, published by the Department of Elementary and Secondary Education (revised January [2008/2009]), may contact the Educator Certification Section, 205 Jefferson Street, PO Box 480, Jefferson City, MO 65102-0480. This rule does not incorporate any subsequent amendments or additions.

3. Applicants holding a valid Missouri professional or life certificate of license to teach in a secondary content area who are seeking additional certification for middle school in the same content area[,] will receive the additional certification upon meeting either of the following conditions:

A. Complete and achieve a Missouri qualifying score for the Praxis II: Principles of Learning and Teaching, grades five through nine (5-9), assessments; or

B. Successfully complete the applicable certification requirements for middle school education, grades five through nine (5-9), as set forth in the compendium.

APPENDIX A

ASSESSMENTS DESIGNATED FOR CERTIFICATION IN MISSOURI

The Praxis® assessments listed below have been designated by the State Board of Education to fulfill the assessment requirement for certification in Missouri. The assessments are listed beside the certificates to which they correspond.

<u>Missouri Certificate of License to Teach</u>	<u>Test Code</u>	<u>Designated Assessment</u>
Early Childhood Education, Birth–Grade 3	[2/0021]	Education of Young Children
Early Childhood Special Education, Birth–Grade 3	[1/0690]	Special Education: Preschool/Early Childhood
Elementary Education, Grades 1–6	[1/0011]	Elementary Education: Curriculum, Instruction, and Assessment
Middle School Education, Grades 5–9	—	—
Language Arts	[1/0049]	[MS/ Middle School English/-] Language Arts[: Content Knowledge]
Mathematics	[2/0069]	[MS/ Middle School Mathematics[: Content Knowledge]
Science	[1/0439]	[MS/ Middle School Science[: Content Knowledge]
Social Science	[2/0089]	[MS/ Middle School Social Studies[: Content Knowledge]
Other Middle School Subject Areas	[3/0523]	Principles of Learning and Teaching, Grades 5–9
Secondary Education, Grades 9–12 (except as noted)	—	—
Agriculture	[1/0700]	Agriculture
Art K–12, 9–12	[1/0133]	Art: Content Knowledge
Business Education	[1/0100]	Business Education
English	[1/0041]	English Language, Literature, and Composition: Content Knowledge
<i>[Family and Consumer Science]</i>		
Family, Consumer Science, and Human Services	[10120/ 0121]	Family and Consumer Science
Foreign Language: K–12		
French K–12	[2/0173]	French: Content Knowledge
German K–12	[2/0181]	German: Content Knowledge
Spanish K–12	[1/0191]	Spanish: Content Knowledge
Health K–12, 9–12	[2/0550]	Health Education
Industrial Technology	[1/0050]	Technology Education
Library Media Specialist, K–12	[1/0310]	Library Media Specialist
Marketing <i>[and Distributive]</i> Education	[10560/ 0561]	Marketing Education
Mathematics	[1/0061]	Mathematics: Content Knowledge
Music: Instrumental, Vocal K–12	[1/0113]	Music: Content Knowledge
Physical Education K–9, K–12, 9–12	[1/0091]	Physical Education: Content Knowledge
Science:		
Biology	[2/0235]	Biology: Content Knowledge
Chemistry	[2/0245]	Chemistry: Content Knowledge
Earth Science	[2/0571]	Earth and Space Sciences: Content Knowledge
General Science	[1/0435]	General Science: Content Knowledge
Physics	[1/0265]	Physics: Content Knowledge
Social Science	[1/0081]	Social Studies: Content Knowledge
Special Education, K–12		
Blind and Partially Sighted ¹	[1/0280]	Teaching Students with Visual Impairments
Deaf and Hearing Impaired ¹	[1/0271]	Education of Deaf and Hard of Hearing Students
<i>[Mild-Moderate Disabilities: Learning Disabled, Behavioral Disordered, Mentally Handicapped, or Physical and Other Health Impairments¹]</i>	[20353/]	[Education of Exceptional Students: Core Content Knowledge]
Mild-Moderate Cross-Categorical Disabilities	[2/0353 and [1/0542]	Education of Exceptional Students: Core Content Knowledge Education of Exceptional Students: Mild to Moderate Disabilities
Severely Developmentally Disabled ¹	[2/0353 and [1/0544]	Education of Exceptional Students: Core Content Knowledge Education of Exceptional Students: Severe to Profound Disabilities
Speech/Theatre	[1/0220]	Speech Communication
Speech and Language Pathologist K–12 ³	[2/0330]	Speech-Language Pathology

APPENDIX A—continued

<u>Missouri Certificate of License to Teach</u>	<u>Test Code</u>	<u>Designated Assessment</u>
Unified Science ²	—	—
Biology	/2/0235	Biology: Content Knowledge
Chemistry	/2/0245	Chemistry: Content Knowledge
Earth Science	/2/0571	Earth and Space Sciences: Content Knowledge
Physics	/1/0265	Physics: Content Knowledge
K-12 or 9-12 teaching certification for which no specialty area assessment or content knowledge assessment is designated and a Temporary Authorization Certificate (TAC) of License to Teach	/3/0524	Principles of Learning and Teaching, Grades 7-12
School Counselor K-8, 7-12 ³	/2/0420	School Guidance and Counseling
School Psychologist K-12 ³	/10400/ 0401	School Psychologist
Building-Level Administrator ³	/1/1010	School Leaders Licensure Assessment (SLLA)
Principal K-8, 5-9, 9-12		
Special Education Administrator K-12		
Career Education Director		
District-Level Administrator (Superintendent) K-12 ^{2/3}	/1/1020	School Superintendent Assessment (SSA)

- [1.]¹ Not available by completion of the designated assessment only; also requires completion of a program of study in special education with the area of specialization from a state-approved institution.
- [2.]² Not available by completion of the designated assessment only; also requires completion of a program of study in the unified science core with the area of specialization from a state-approved institution.
- [3.]³ Not available by completion of the designated assessment only; also requires completion of a program of study and a recommendation from a state-approved institution.

AUTHORITY: sections 161.092, 168.021, 168.071, 168.081, and 168.400, RSMo Supp. [2007] 2008 and sections 168.011, 168.405, and 168.409, RSMo 2000. Original rule filed April 26, 2000, effective Nov. 30, 2000. For intervening history, please consult the **Code of State Regulations**. Amended: Filed Jan. 30, 2009.

PUBLIC COST: This proposed amendment will not cost state agencies or political subdivisions more than five hundred dollars (\$500) in the aggregate.

PRIVATE COST: Currently, the cost per exam is one hundred thirty dollars (\$130) per examination, which includes a fifty dollar (\$50) registration fee and an eighty dollar (\$80) Praxis test fee. The total private cost would be based upon the number of applicants seeking licensure and the number of content areas in which the applicants seek certification. Since these numbers cannot be determined, the total private cost is unknown.

NOTICE TO SUBMIT COMMENTS: Anyone may file a statement in support of or in opposition to this proposed amendment with the Department of Elementary and Secondary Education, Attention: Dr. Charles Brown, Assistant Commissioner, Division of Teacher Quality and Urban Education, Missouri Department of Elementary & Secondary Education, PO Box 480, Jefferson City, Missouri 65102-0480, or by email to tammy.allee@dese.mo.gov. To be considered, comments must be received within thirty (30) days after publication of this notice in the **Missouri Register**. No public hearing is scheduled.

**FISCAL NOTE
PRIVATE COST****I. RULE NUMBER**

Rule Number and Name:	5 CSR 80-800.380 Required Assessments for Professional Education Certification in Missouri
Type of Rulemaking:	Proposed Amendment

II. SUMMARY OF FISCAL IMPACT

Estimate of the number of entities by class which would likely be affected by the adoption of the proposed amendment:	Classification by types of the business entities which would likely be affected:	Estimate in the aggregate as to the cost of compliance with the amendment by the affected entities:
	Applicants @ \$130 per examination	Since these numbers cannot be determined, the total private cost is unknown.

III. WORKSHEET

Currently, the cost per exam is one hundred thirty dollars (\$130) per examination, which includes a fifty dollar (\$50) registration fee and an eighty dollar (\$80) Praxis test fee. The total private cost would be based upon the number of applicants seeking licensure and the number of content areas in which the applicants seek certification. Since these numbers cannot be determined, the total private cost is unknown.

IV. ASSUMPTIONS

**Title 10—DEPARTMENT OF NATURAL RESOURCES
Division 20—Clean Water Commission
Chapter 6—Permits**

PROPOSED AMENDMENT

10 CSR 20-6.200 Storm Water Regulations. The department is amending subparagraph (1)(C)24.A.

PURPOSE: The department is amending this rule to clarify the definition of a regulated MS4.

(1) Storm Water Permits—General.

(C) Definitions.

1. Best management practices (BMPs). Schedules of activities, prohibitions of practices, maintenance procedures, and other management practices to prevent or reduce the pollution of waters of the state. BMPs also include treatment requirements, operating procedures and practices to control plant site runoff, spillage or leaks, sludge or waste disposal, or drainage from raw material storage.

2. BMPs for land disturbance. A schedule of activities, practices, or procedures that reduces the amount of soil available for transport or a device that reduces the amount of suspended solids in runoff before discharge to waters of the state. Types of BMPs for storm water control include, but are not limited to:

A. State-approved standard specifications and permit programs;

B. Employee training in erosion control, material handling and storage, and housekeeping of maintenance areas;

C. Site preparation such as grading, surface roughening, topsoiling, tree preservation and protection, and temporary construction entrances;

D. Surface stabilization such as temporary seeding, permanent seeding, mulching, sodding, ground cover including vines and shrubs, riprap, and geotextile fabric. Mulches may be hay, straw, fiber mats, netting, wood cellulose, corn or tobacco stalks, bark, corn cobs, wood chips, or other suitable material which is reasonably clean and free of noxious weeds and deleterious materials. Grasses used for temporary seeding shall be a quick growing species such as rye grass, Italian rye grass, or cereal grasses suitable to the area and which will not compete with the grasses sown later for permanent cover;

E. Runoff control measures such as temporary diversion dikes or berms, permanent diversion dikes or berms, right-of-way or perimeter diversion devices, and retention and detention basins. Sediment traps and barriers, sediment basins, sediment (silt) fence, and staked straw bale barriers;

F. Runoff conveyance measures such as grass-lined channels, riprap, and paved channels, temporary slope drains, paved flumes, or chutes. Slope drains may be constructed of pipe, fiber mats, rubble, Portland cement concrete, bituminous concrete, plastic sheets, or other materials that adequately will control erosion;

G. Inlet and outlet protection;

H. Streambank protection such as a vegetative greenbelt between the land disturbance and the watercourse. Also, structural protection which stabilizes the stream channel;

I. A critical path method analysis or a schedule for performing erosion control measures; and

J. Other proven methods for controlling runoff and sedimentation;

3. Copetitioner. A person with apportioned legal, financial, and administrative responsibility based on land area under its control for filing Part 1 and Part 2 of a state operating permit for the discharge of storm water from municipal separate storm sewer systems. A copetitioner becomes a copermittee once the permit is issued.

4. Copermittee. A permittee to a state operating permit that is responsible only for permit conditions relating to the discharge for which it is owner or operator, or both.

5. *De minimis* water contaminant source. A water contaminant source, point source, or wastewater treatment facility that is determined by the department to pose a negligible potential impact on

waters of the state, even in the event of the malfunction of wastewater treatment controls or material handling procedures.

6. Field screening point. A specific location which during monitoring will provide representative information to indicate the presence of illicit connections or illegal dumping and quality of water within a municipal separate storm sewer system.

7. Illicit discharge. Any discharge to a municipal separate storm sewer that is not composed entirely of storm water, except discharges pursuant to a state operating permit, other than storm water discharge permits and discharges from fire fighting activities.

8. Incorporated place (in Missouri, a municipality). A city, town, or village that is incorporated under the laws of Missouri.

9. Landfill. Location where waste materials are deposited on or buried within the soil or subsoil. Included are open dumps and landfills built or operated, or both, prior to the passage of the Missouri Solid Waste Management Law as well as those built or operated, or both, since.

10. Large municipal separate storm sewer system. All municipal separate storm sewers that are either—

A. Located in an incorporated place with a population of two hundred fifty thousand (250,000) or more;

B. Located in the counties designated by the director as unincorporated places with significant urbanization and identified systems of municipal separate storm sewers;

C. Owned and operated by a municipality other than those described in subparagraph (1)(C)10.A. of this rule that are designated by the director as part of a system. In making this determination, the director may consider the following factors:

(I) Physical interconnections between the municipal separate storm sewers;

(II) The location of discharges from the designated municipal storm sewer relative to the discharges from municipal separate storm sewer described in subparagraph (1)(C)10.A. of this rule;

(III) The quantity and nature of pollutants discharged to the waters of the state;

(IV) The nature of the receiving waters; or

(V) Other relevant factors; and

D. The director, upon petition, may designate as a large municipal separate storm sewer system, municipal separate storm sewers located within the boundaries of a region defined by a storm water management regional authority based on a jurisdiction/*all*, watershed, or other appropriate basis that includes one (1) or more of the systems described in subparagraph (1)(C)10.A. of this rule.

11. MS4 means:

A. A municipal separate storm sewer system.

12. Major municipal separate storm sewer system outfall (major outfall). A municipal separate storm sewer outfall that discharges from a single pipe with an inside diameter of thirty-six inches (36") or more (or its equivalent) or for municipal separate storm sewers that receive storm waters from lands zoned for industrial activity within the municipal separate storm sewer system with an outfall that discharges from a single pipe with an inside diameter of twelve inches (12") or more (or from its equivalent). Industrial activity areas do not include commercial areas.

13. Major outfall. A major municipal separate storm sewer outfall.

14. Major structural controls. Man-made retention basins, detention basins, major infiltration devices, or other structures designed and operated for the purpose of containing storm water discharges from an area greater than or equal to fifty (50) acres.

15. Medium municipal separate storm sewer system. All municipal separate storm sewers that are either—

A. Located in an incorporated place with a population of one hundred thousand (100,000) or more but less than two hundred fifty thousand (250,000), as determined by the latest decennial census by the Bureau of Census; or

B. Owned and operated by a municipality other than those described in subparagraph (1)(C)15.A. of this rule and that are designated by the director as part of the system. In making this determination, the director may consider the following factors:

(I) Physical interconnections between the municipal separate storm sewers;

(II) The locations of discharges from the designated municipal separate storm sewer relative to discharges from the municipal separate storm sewers described in subparagraph (1)(C)15.A. of this rule;

(III) The quantity and nature of pollutants discharged to waters of the state;

(IV) The nature of the receiving waters;

(V) Other relevant factors; or

(VI) The director, upon petition, may designate as a medium municipal separate storm sewer system, municipal separate storm sewers located within the boundaries of a region defined by a storm water management regional authority based on a jurisdiction/*all*, watershed, or other appropriate basis that includes one (1) or more of the systems described in subparagraph (1)(C)15.A. of this rule.

16. Municipal separate storm sewer means a conveyance or system of conveyances including roads and highways with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, paved or unpaved channels, or storm drains designated and utilized for routing of storm water which—

A. Does not include any waters of the state as defined in this rule;

B. Is contained within the municipal corporate limits or is owned and operated by the state, city, town, village, county, district, association, or other public body created by or pursuant to the laws of Missouri having jurisdiction over disposal of sewage, industrial waste, storm water, or other liquid wastes;

C. Is not a part or portion of a combined sewer system;

D. Is not a part of a publicly owned treatment works as defined in 40 CFR 122.2; and

E. Sewers that are defined as large or medium or small municipal separate storm sewer systems pursuant to paragraphs 10., 15., and 28. of this section, or designated under subsection (1)(B) of this rule.

17. Operator. The owner, or an agent of the owner, of a separate storm sewer with responsibility for operating and maintaining the effectiveness of the system.

18. Outfall. A point source as defined by 10 CSR 20-2.010 at the point where a municipal separate storm sewer discharges and does not include open conveyances connecting two (2) municipal separate storm sewers, pipes, tunnels, or other conveyances which connect segments of waters of the state and are used to convey waters of the state.

19. Overburden. Any material of any nature consolidated or unconsolidated that overlays a mineral deposit excluding topsoil or similar naturally occurring surface materials that are not disturbed by mining operations.

20. Owner. A person who owns and controls the use, operation, and maintenance of a separate storm sewer.

21. Process wastewater. Any water which, during manufacturing or processing, comes into direct contact with or results from the production or use of any raw material, intermediate product, finished product, by-product, or waste product.

22. Receiving waters. Waters of the state as defined in this rule.

23. Recycling facilities. Locations where metals, paper, tires, glass, organic materials, used oils, spent solvents, or other materials are collected for reuse, reprocessing, or resale.

24. Regulated MS4 means:

A. A MS4 which serves a population of one thousand (1,000) or more within an urbanized area, or *a MS4 which serves a population of ten thousand (10,000) or more elsewhere in the state/ any MS4 located outside of an urbanized area serving a jurisdiction with a population of at least ten thousand (10,000) and a population density of one thousand (1,000) people per square mile or greater.*

B. A MS4 which is designated by the department when it is determined that the discharges from the MS4 have caused or have the potential to cause an adverse impact on water quality. An application shall be submitted within one hundred eighty (180) days of the

designation by the department.

25. Runoff coefficient. The fraction of total rainfall that will appear at a conveyance as runoff.

26. Significant contributor of pollutants. A person who discharges or causes the discharge of pollutants in storm water which can cause water quality standards of the waters of the state to be violated.

27. Significant material or activity associated with industrial activity.

A. For the categories of industries identified in subsections (2)(A)–(D) of this rule, the term includes, but is not limited to, storm water discharged from industrial plant yards, immediate access roads and rail lines used or traveled by carriers of raw materials, manufactured products, waste material, or by-products used or created by the facility.

B. Significant materials include, but are not limited to, raw materials; fuels; materials such as solvents, detergents, and plastic pellets; finished materials such as metallic products; raw materials used in food processing or production; hazardous substances designated under Section 101(14) of the Comprehensive Environmental Response, Compensation, Liability Act of 1980 (CERCLA); any chemical the facility is required to report pursuant to Section 313 of Title III of Superfund Amendments & Reauthorization Act of 1986 (SARA); fertilizers; pesticides; and waste products such as ashes, slag, and sludge that have the potential to be released with storm water discharges.

C. Material received in drums, totes, or other secure containers or packages which prevent contact with storm water, including run on, are exempted from the significant materials classification until the container has been opened for any reason. If the container is moved into a building or other protected area prior to opening, it will not become a significant material.

D. Empty containers which have been properly triple rinsed are not significant materials.

28. Small construction activity means:

A. Construction activities including clearing, grading, and excavating that result in land disturbance of equal to or greater than one (1) acre and less than five (5) acres. Small construction activity also includes the disturbance of less than one (1) acre of total land area that is part of a larger common plan of development or sale if the larger common plan will ultimately disturb equal to or greater than one (1) and less than five (5) acres. Small construction activity does not include routine maintenance that is performed to maintain the original line and grade, hydraulic capacity, or original purpose of the facility.

B. Any other construction activity designated by the department, based on the potential for contribution to a violation of a water quality standard or for significant contribution of pollutants to waters of the United States.

29. Small municipal separate storm sewer system means:

A. Owned or operated by the United States, a state, city, town, borough, county, parish, district, association, or other public body (created by or pursuant to state law) having jurisdiction over disposal of sewage, industrial wastes, storm water, or other wastes, including special districts under state law such as a sewer district, flood control district, or drainage district, or similar entity, or an Indian tribe or an authorized Indian tribal organization, or a designated and approved management agency under section 208 of the Clean Water Act (CWA) that discharges to water of the United States.

B. Not defined as large or medium municipal separate storm sewer systems pursuant to paragraphs 10. and 15. of this subsection.

C. This term includes systems similar to separate storm sewer systems in municipalities, such as systems at military bases, large hospital or prison complexes, and highways and other thoroughfares. The term does not include separate storm sewers in very discrete areas, such as around individual buildings.

30. Small MS4 means:

A. A small municipal separate storm sewer system.

31. Storm water means storm water runoff, snowmelt runoff and surface runoff, and drainage.

32. Storm water discharge associated with industrial activity means the discharge from any conveyance which is used for collecting and conveying storm water and which is directly related to manufacturing, processing, or raw material storage areas at an industrial plant.

33. Waters of the state, as it applies to large and medium municipalities under this regulation, means all waters listed as L1, L2, and L3 in Table G and P, P1, and C in Table H of 10 CSR 20-7.031.

AUTHORITY: section 644.026, RSMo 2000 and section 644.036, RSMo Supp. 2008. Original rule filed July 15, 1991, effective Oct. 1, 1992. Amended: Filed Sept. 14, 2001, effective May 30, 2002. Amended: Filed Feb. 3, 2009.

PUBLIC COST: This proposed amendment will not cost state agencies or political subdivisions more than five hundred dollars (\$500) in the aggregate.

PRIVATE COST: This proposed amendment will not cost private entities more than five hundred dollars (\$500) in the aggregate.

NOTICE OF PUBLIC HEARING AND NOTICE TO SUBMIT COMMENTS: Anyone may file a statement in support of or in opposition to this proposed amendment with the Department of Natural Resources, Division of Environmental Quality, Water Protection Program, John Rustige, PO Box 176, Jefferson City, MO 65102. Comments may be sent with name and address through email to john.rustige@dnr.mo.gov. Public comments must be received by May 13, 2009. A public hearing is scheduled at a meeting of the Clean Water Commission to be held at 9 A.M., May 6, 2009, in the Lewis and Clark State Office Building, LaCharrette/Nightingale Creek Conference Rooms, 1101 Riverside Drive, Jefferson City, Missouri 65102.

**Title 10—DEPARTMENT OF NATURAL RESOURCES
Division 20—Clean Water Commission
Chapter 7—Water Quality**

PROPOSED AMENDMENT

10 CSR 20-7.031 Water Quality Standards. The department is amending sections (1), (4), and (5), amending Tables A, B2, B3, G, and H, and adding Tables K, L, M, and N.

PURPOSE: This amendment proposes to revise the state numeric water quality criteria for copper, zinc, nutrients in lakes, bacteria, and ammonia. New and more accurate descriptions of the classified waters are proposed. Proposed revisions also include the designation of Whole Body Contact Recreation and Secondary Contact Recreation as a result of Use Attainability Analyses. Further revisions proposed include site-specific criteria for dissolved oxygen on several streams. The changes proposed also correct several typographical errors discovered after the effective date of the last revisions to the Water Quality Standards (WQS) in 2005.

(1) Definitions.

(C) Beneficial or designated uses. Those uses specified in paragraphs 1.–15. of this subsection for each water body segment whether or not they are attained. Beneficial or designated uses (1)(C)1.–11. of classified waters are identified in Tables G and H. Beneficial or designated uses (1)(C)12.–15. of classified waters must be determined on a site-by-site basis and are therefore not listed in Tables G and H.

1. Irrigation—Application of water to cropland or directly to plants that may be used for human or livestock consumption. Occasional supplemental irrigation, rather than continuous irrigation, is assumed.

2. Livestock and wildlife watering—Maintenance of conditions

to support health in livestock and wildlife.

3. Cold-water fishery—Waters in which naturally occurring water quality and habitat conditions allow the maintenance of a naturally reproducing or stocked trout fishery and other naturally reproducing populations of recreationally important fish species.

4. Cool-water fishery—Waters in which naturally occurring water quality and habitat conditions allow the maintenance of a sensitive, high-quality sport fishery (including smallmouth bass and rock bass) and other naturally reproducing populations of recreationally important fish species.

5. Protection of aquatic life (General warm-water fishery)—Waters in which naturally occurring water quality and habitat conditions allow the maintenance of a wide variety of warm-water biota, including naturally reproducing populations of recreationally important fish species. This includes all Ozark Class C and P streams, all streams with [seven (7)-day Q_{10}] **7Q10** low flows of more than one-tenth cubic foot per second (0.1 cfs), all P1 streams, and all classified lakes. However, individual Ozark Class C streams may be determined to be limited warm-water fisheries on the basis of limited habitat, losing-stream classification, land-use characteristics, or faunal studies which demonstrate a lack of recreationally important fish species.

6. Protection of aquatic life (Limited warm-water fishery)—Waters in which natural water quality and/or habitat conditions prevent the maintenance of naturally reproducing populations of recreationally important fish species. This includes non-Ozark Class C streams and non-Ozark Class P streams with [seven (7)-day Q_{10}] **7Q10** low flows equal to or less than 0.1 cfs and Ozark Class C streams with the characteristics outlined in paragraph (1)(C)5.

7. Human health protection (Fish consumption)—Criteria to protect this use are based on the assumption of an average amount of fish consumed on a long-term basis. Protection of this use includes compliance with Food and Drug Administration (FDA) limits for fish tissue, maximum water concentrations corresponding to the 10^{-6} cancer risk level, and other human health fish consumption criteria.

8. Whole body contact recreation—Activities in which there is direct human contact with the raw surface water to the point of complete body submergence. The raw water may be ingested accidentally and certain sensitive body organs, such as the eyes, ears, and the nose, will be exposed to the water. Although the water may be ingested accidentally, it is not intended to be used as a potable supply unless acceptable treatment is applied. Water so designated is intended to be used for swimming, water skiing, or skin diving. All waters in Tables G and H of this rule are presumed to support whole body contact recreation unless a Use Attainability Analysis (UAA) has shown that the use is unattainable. The use designation for whole body contact recreation may be removed or modified through a UAA for only those waters where whole body contact is not an existing use. Assignment of this use does not grant an individual the right to trespass when a land is not open to and accessible by the public through law or written permission of the landowner.

A. Category A—This category applies to those water segments that have been established by the property owner as public swimming areas allowing full and free access by the public for swimming purposes and waters with existing whole body contact recreational use(s). Examples of this category include, but are not limited to, public swimming beaches and property where whole body contact recreational activity is open to and accessible by the public through law or written permission of the landowner.

B. Category B—This category applies to waters designated for whole body contact recreation not contained within category A.

9. Secondary contact recreation—Uses include fishing, wading, commercial and recreational boating, any limited contact incidental to shoreline activities, and activities in which users do not swim or float in the water. These recreational activities may result in contact with the water that is either incidental or accidental and the probability of ingesting appreciable quantities of water is minimal. Assignment of this use does not grant an individual the right to trespass when a land is not open to and accessible by the public through law or written permission of the landowner.

10. Drinking water supply—Maintenance of a raw water supply which will yield potable water after treatment by public water treatment facilities.

11. Industrial process water and industrial cooling water—Water to support various industrial uses; since quality needs will vary by industry, no specific criteria are set in these standards.

12. Storm- and flood-water storage and attenuation—Waters which serve as overflow and storage areas during flood or storm events slowly release water to downstream areas, thus lowering flood peaks and associated damage to life and property.

13. Habitat for resident and migratory wildlife species, including rare and endangered species—Waters that provide essential breeding, nesting, feeding, and predator escape habitats for wildlife including waterfowl, birds, mammals, fish, amphibians, and reptiles.

14. Recreational, cultural, educational, scientific, and natural aesthetic values and uses—Waters that serve as recreational sites for fishing, hunting, and observing wildlife; waters of historic or archaeological significance; waters which provide great diversity for nature observation, educational opportunities, and scientific study.

15. Hydrologic cycle maintenance—Waters hydrologically connected to rivers and streams serve to maintain flow conditions during periods of drought. Waters that are connected hydrologically to the groundwater system recharge groundwater supplies and assume an important local or regional role in maintaining groundwater levels.

(E) Chronic toxicity—Conditions producing adverse effects on aquatic life or wildlife following long-term exposure but having no readily observable effect over a short time period. Chronic numeric criteria in Tables A and B are maximum concentrations which protect against chronic toxicity; these values shall be considered four (4)-day averages. Chronic toxicity is also indicated by exceedence of WET test conditions of subsection (4)(P)(Q). For substances not listed in Table A or B, commonly used endpoints such as the no-observed effect concentration or inhibition concentration of representative species may be used to demonstrate absence of toxicity.

(I) Ecoregion—[A major region within the state which contains waters with similar geological, hydrological, chemical and biological characteristics.] Ecoregions denote areas of general similarity in ecosystems and in the type, quality, and quantity of environmental resources. They are designed to serve as a spatial framework for the research, assessment, management, and monitoring of ecosystems and ecosystem components. By recognizing the spatial differences in the capacities and potentials of ecosystems, ecoregions stratify the environment by its probable response to disturbance (Bryce, Omernik, and Larsen, 1999).

(K) [Fecal coliform bacteria—A group of bacteria originating in intestines of warm-blooded animals which indicates the possible presence of pathogenic organisms in water.] *Escherichia coli* (*E. coli*)—A type of fecal coliform bacteria found in the intestines of animals and humans. The presence of *E. coli* in water is a strong indication of recent sewage or animal waste contamination. Sewage may contain many types of disease-causing organisms (pathogens).

(N) Losing stream—A stream which distributes thirty percent (30%) or more of its flow during low flow conditions through natural processes, such as through permeable geologic materials into a bedrock aquifer within two (2) miles' flow distance downstream of an existing or proposed discharge. Flow measurements to determine percentage of water loss must be corrected to approximate the [seven (7)-day Q_{10}] 7Q10 stream flow. If a stream bed or drainage way has an intermittent flow or a flow insufficient to measure in accordance with this rule, it may be determined to be a losing stream on the basis of channel development, valley configuration, vegetation development, dye tracing studies, bedrock characteristics, geographical data, and other geological factors. Losing streams are listed in Table J; additional streams may be determined to be losing by the Missouri Department of Natural Resources.

(O) Low-flow conditions—Where used in this regulation in the context of mixing zones, the low-flow conditions shall refer to the

minimum amount of stream flow occurring immediately upstream of a wastewater discharge and available, in whole or in part, for attenuation of wastewater pollutants.

1. Seven (7)-day, one (1)-in-ten (10)-year low flow [(7-day Q_{10})] 7Q10—The lowest average flow for seven (7) consecutive days that has a probable recurrence interval of once-in-ten (10) years.

2. Sixty (60)-day, one (1)-in-two (2)-year low flow [(60-day Q_2)] 60Q2—The lowest average flow for sixty (60) consecutive days that has a probable recurrence interval of once-in-two (2) years.

3. Thirty (30)-day, one (1)-in-ten (10)-year low flow [(30-day Q_{10})] 30Q10—The lowest average flow for thirty (30) consecutive days that has a probable recurrence interval of once-in-ten (10) years.

4. One (1)-day, one (1)-in-ten (10)-year low flow [(1-day Q_{10})] 1Q10—The lowest average flow for one (1) day that has a probable recurrence interval of once-in-ten (10) years.

(Y) Water hardness—The total concentration of calcium and magnesium ions expressed as calcium carbonate. For purposes of this rule, hardness will be determined by the lower quartile (twenty-fifth percentile) value of a representative number of samples from the water body in question or from a similar water body at the appropriate stream flow conditions.

(4) Specific Criteria. The specific criteria shall apply to classified waters. Protection of drinking water supply is limited to surface waters designated for raw drinking water supply and aquifers. Protection of whole body contact recreation is limited to classified waters designated for that use.

(A) The maximum chronic toxicity criteria in Tables A and B shall apply to waters designated for the indicated uses given in Tables G and H. All Table A and B criteria are chronic toxicity criteria, except those specifically identified as acute criteria. Water contaminants shall not cause or contribute to concentrations in excess of these values. Table A values listed as health advisory levels shall be used in establishing discharge permit limits and management strategies until additional data becomes available to support alternative criteria, or other standards are established. However, exceptions may be granted in the following cases:

1. Permanent flow streams when the stream flow is less than [seven (7)-day Q_{10}] 7Q10;

2. Regulated flow streams if the flow is less than the minimum release flow agreed upon by the regulating agencies;

3. For the natural and unavoidable chemical and physical changes that occur in the hypolimnion of lakes. Streams below impoundments shall meet applicable specific criteria;

4. For mixing zones.

A. The mixing zone shall be exempted from the chronic criteria requirements of this section for those components of waste that are rendered nontoxic by dilution, dissipation, or rapid chemical transformation. Acute numeric criteria of Tables A and B and whole effluent acute toxicity requirements of subsection (3)(I) must be met at all times within the mixing zone, except within the zone of initial dilution. The following criteria do not apply to thermal mixing zones. Criteria for thermal mixing zones are listed in paragraph (4)(D)6.

B. The maximum size of mixing zones and zone of initial dilution will be determined as follows:

(I) Streams with [seven (7)-day Q_{10}] 7Q10 low flows of less than 0.1 cfs.

(a) Mixing zone—not allowed; and

(b) Zone of initial dilution—not allowed;

(II) Streams with [seven (7)-day Q_{10}] 7Q10 low flow of one-tenth to twenty (0.1–20) cfs—

(a) Mixing zone—one-quarter (1/4) of the stream width, cross-sectional area, or volume of flow; length one-quarter (1/4) mile. If the discharger can document that rapid and complete mixing of the effluent occurs in the receiving stream, the mixing zone may be up to one-half (1/2) of the stream width, cross-sectional area, or volume of flow; and

(b) Zone of initial dilution—one-tenth (0.1) of the mixing zone width, cross-sectional area, or volume of flow;

(III) Streams with *[seven (7)-day Q_{10}] 7Q10* low flow of greater than twenty (20) cfs—

(a) Mixing zone—one-quarter (1/4) of stream width, cross-sectional area, or volume of flow; length of one-quarter (1/4) mile; and

(b) Zone of initial dilution—one-tenth (0.1) of the mixing zone width, cross-sectional area, or volume of flow and no more than ten (10) times the effluent design flow volume unless the use of diffusers or specific mixing zone studies can justify more dilution; and

(IV) Lakes.

(a) Mixing zone—not to exceed one-quarter (1/4) of the lake width at the discharge point or one hundred feet (100') from the discharge point, whichever is less.

(b) Zone of initial dilution—not allowed.

C. A mixing zone shall not overlap another mixing zone in a manner that the maintenance of aquatic life in the body of water in the overlapping area would be further adversely affected.

D. Other factors that may prohibit or further limit the size and location of mixing zones are the size of the river, the volume of discharge, the stream bank configuration, the mixing velocities, other hydrologic or physiographic characteristics, and the designated uses of the water, including type of aquatic life supported, potential effects on mouths of tributary streams, and proximity to water supply intakes.

E. Zones of passage must be provided wherever mixing zones are allowed.

F. Mixing zone and zone of initial dilution size limits will normally be based on streams at the *[seven (7)-day Q_{10}] 7Q10* low flow. However, this percent of stream size limits also applies at higher stream flows and discharge limitations may be based on higher stream flows if discharge volume or quality may be adjusted to correlate with stream flow; and

5. For wetlands. Water quality needs will vary depending on the individual characteristics of wetlands. Application of numeric criteria will depend on the specific aquatic life, wildlife, and *[vegetational] vegetation* requirements.

A. Specific criteria for wetlands shall be developed using scientific procedures including, but not limited to, those procedures described in the U.S. Environmental Protection Agency's *Water Quality Standards Handbook*, Second Edition, August 1994.

B. Specific criteria shall protect all life stages of species associated with wetlands and prevent acute and chronic toxicity in all parts of the wetland.

C. Specific criteria shall include both chronic and acute concentrations to better reflect the different tolerances to the inherent variability between concentrations and toxicological characteristics of a condition.

D. Specific criteria shall be clearly identified as maximum "not to be exceeded" or average values, and if an average, the averaging period and the minimum number of samples. The conditions, if any, when the criteria apply shall be clearly stated (e.g., specific levels of hardness, pH, or water temperature). Specific sampling requirements (e.g., location, frequency), if any, shall also be identified.

E. The data, testing procedures, and application (safety) factors used to develop specific criteria shall reflect the nature of the condition (e.g., persistency, bioaccumulation potential) and the most sensitive species associated with the wetland.

F. Each specific criterion shall be promulgated in rule 10 CSR 20-7.031. The public notice shall include a description of the affected wetland and the reasons for applying the proposed criterion. A public hearing may be held in the geographical vicinity of the affected wetland. Any specific criterion promulgated under these provisions is subject to U.S. EPA approval prior to becoming effective.

(B) Toxic Substances.

1. Water contaminants shall not cause the criteria in Tables A and B to be exceeded. Concentrations of these substances in bottom sediments or waters shall not harm benthic organisms and shall not accumulate through the food chain in harmful concentrations, nor shall state and federal maximum fish tissue levels for fish consumption be exceeded. More stringent criteria may be imposed if there is evidence of additive or synergistic effects.

2. For compliance with this rule, metals shall be analyzed by the following methods:

A. Aquatic life protection and human-health protection—fish consumption.

(I) Mercury—total recoverable metals.

(II) All other metals—dissolved metals;

B. Drinking water supply—total recoverable metals; and

C. All other beneficial uses—total recoverable metals.

3. Other potentially toxic substances for which sufficient toxicity data are not available may not be released to waters of the state until safe levels are demonstrated through adequate bioassay studies.

4. Drinking water criteria, for substances which are rendered nontoxic by transformation processes in the surface water body, shall apply at water supply withdrawal points.

5. Site-specific alternative criteria for human health-fish consumption may be allowed. Designation of *[this] these* site-specific criteria must follow the established variance request process.

6. Metals criteria for which toxicity is hardness dependent are in equation format in Table A.

7. Total ammonia nitrogen. **The state of Missouri adopts the National Criteria for Ammonia in Fresh Water (1999 Update). The criteria, expressed in exponential function, are pH and temperature dependent, and their coefficients are based on the presence or absence of salmonid fish (for acute criteria) and early life stages of fish (for chronic criteria).** For any given sample, the total ammonia nitrogen criteria shall be based on the pH and temperature of the water body measured at the time of each sample at the point of compliance.

A. The acute criteria shall not be exceeded at any time except in those waters for which the department has allowed a zone of initial dilution (ZID). *[The one (1)-day Q_{10} low flow condition will be used in determining acute total ammonia nitrogen criteria.]* **The one (1)-hour average concentration of total ammonia nitrogen (in mg N/L) does not exceed, more than once every three (3) years on the average, the CMC (acute criterion) calculated using the following equations.**

Where salmonid fish are present—

$$\text{CMC} = \frac{0.275}{1 + 10^{(7.204 - \text{pH})}} + \frac{39.0}{1 + 10^{(\text{pH} - 7.204)}}$$

Or where salmonid fish are not present—

$$\text{CMC} = \frac{0.411}{1 + 10^{(7.204 - \text{pH})}} + \frac{58.4}{1 + 10^{(\text{pH} - 7.204)}}$$

B. The chronic criteria shall not be exceeded except in water segments for which the department has allowed a mixing zone (MZ). *[The chronic criteria shall be based on a thirty (30)-day exposure period. Therefore, the thirty (30)-day Q_{10} low flow condition of the receiving water body will be used in determining chronic total ammonia nitrogen criteria.]*

(I) **The thirty (30)-day average concentration of total ammonia nitrogen (in mg N/L) shall not exceed, more than once every three (3) years on the average, the CCC (chronic criterion) calculated using the following equations:**

When fish early life stages are present—

$$CCC = \left(\frac{0.0577}{1 + 10^{(7.688 - pH)}} + \frac{2.487}{1 + 10^{(pH - 7.688)}} \right) \times \text{MIN} (2.85, 1.45 \times 10^{(0.028 * (25 - T))})$$

When fish early life stages are absent—

$$CCC = \left(\frac{0.0577}{1 + 10^{(7.688 - pH)}} + \frac{2.487}{1 + 10^{(pH - 7.688)}} \right) \times 1.45 \times 10^{(0.028 * (25 - \text{MAX} (T, 7)))}$$

Where T = water temperature in degree Celsius (C)

(II) In addition, the highest four (4)-day average within the thirty (30)-day period shall not exceed two and one half (2.5) times the CCC.

C. Without sufficient and reliable data, it is assumed that early life stages are present and must be protected at all times of the year.

(I) Sufficient and reliable data shall include, but *[is]* are not limited to, seasonal studies on the fish species distributions, spawning periods, nursery periods, duration of sensitive life stages, and water body temperature. Best professional *[judgement]* judgment from fisheries biologists and other scientists will be considered as appropriate.

(II) The time frames during the year when early life stages are considered to be absent are those time periods when early life stages are present in numbers that, if chronic toxicity did occur, would not affect the long-term success of the populations.

(III) A source of information for determining the duration of early life stages is *The American Society for Testing and Materials (ASTM) Standard E-1241*, "Standard Guide for Conducting Early Life-Stage Toxicity Tests with Fishes."

(IV) Protection of early life stages should include the most sensitive species that have used a water body for spawning and rearing since November 28, 1975.

(C) Bacteria. *[Protection]* The protection of whole body contact recreation is limited to classified waters designated for that use. *[Either of the following bacteria criterion shall apply until December 31, 2008; at which time, only E coli criterion shall apply.]* The recreational season is from April 1 to October 31.

[1. Fecal coliform bacteria—the fecal coliform count shall not exceed the criterion listed in Table A as a geometric mean during the recreational season in waters designated for whole body contact recreation. The fecal coliform count shall not exceed two hundred (200) per one hundred milliliters (100 mL) at any time in losing streams. For waters designated for secondary contact recreation, the fecal coliform count shall not exceed one thousand eight hundred (1,800) per one hundred milliliters (100 mL) as a geometric mean during the recreational season; or]

[2. E coli bacteria—the E. coli count shall not exceed the criterion listed in Table A as a geometric mean during the recreational season in waters designated for whole body contact recreation. The E. coli count shall not exceed one hundred twenty-six (126) per one hundred milliliters (100 mL) at any time in losing streams. For waters designated for secondary contact recreation, the E. coli count shall not exceed one thousand one hundred thirty-four (1,134) per one hundred milliliters (100 mL) as a geometric mean during the recreational season.]

(I) Radioactive Materials. All streams and lakes shall conform *[with]* to state and federal limits for radionuclides established for drinking water supply.

(J) Dissolved Oxygen. Water contaminants shall not cause the dissolved oxygen to be lower than the levels described in Table A or *[as indicated in paragraph (4)(A)3] Table K—Site-Specific Criteria.*

(L) Sulfate and Chloride Limit for Protection of Aquatic Life.

1. Streams with *[seven (7)-day Q₁₀] 7Q10* low flow of less than one (1) cubic foot per second. The concentration of chloride plus sulfate shall not exceed one thousand milligrams per liter (1,000 mg/L). Table A includes additional chloride criteria.

2. Class P1, L1, L2, and L3 waters and streams with *[seven (7)-day Q₁₀] 7Q10* low flow of more than one (1) cubic foot per second. The total chloride plus sulfate concentration shall not exceed the estimated natural background concentration by more than twenty percent (20%) at the *[sixty (60)-day Q₁₀] 60Q10* low flow.

(N) Nutrients and Chlorophyll.

1. Definitions.

A. For the purposes of this rule—

(I) All lakes and reservoirs shall be referred to as "lakes"; and

(II) Only total phosphorus (TP) criteria are derived from lake characteristics. Total nitrogen (TN) and chlorophyll (Chl) criteria are determined as a function of TP criteria.

B. Lake ecoregions—Due to differences in topography, soils, and geology, nutrient criteria for lakes and reservoirs will be determined by the use of four (4) major ecoregions. These regions were delineated by grouping the ecological subsections described in Nigh and Schroeder, 2002, *Atlas of Missouri Ecoregions*, Missouri Department of Conservation as follows:

(I) Plains: TP2—Deep Loess Hills; TP3—Loess Hills; TP4—Grand River Hills; TP5—Chariton River Hills; TP6—Claypan Till Plains; TP7—Wyaconda River Dissected Till Plains; TP8—Mississippi River Hills;

(II) Ozark Border: MB2a—Crowley's Ridge Loess Woodland/Forest Hills; OZ11—Prairie Ozark Border; OZ12—Outer Ozark Border; OZ13—Inner Ozark Border;

(III) Ozark Highland: OZ1—Springfield Plain; OZ2—Springfield Plateau; OZ3—Elk River Hills; OZ4—White River Hills; OZ5—Central Plateau; OZ6—Osage River Hills; OZ7—Gasconade River Hills; OZ8—Meramec River Hills; OZ9—Current River Hills; OZ10—St Francois Knobs and Basins; OZ14—Black River Ozark Border;

(IV) Big River Floodplain: MB1—Black River Alluvial Plain; MB2b—Crowley's Ridge Footslopes and Alluvial Plains; MB3—St. Francis River Alluvial Plain; MB4, OZ16, TP9—Mississippi River Alluvial Plain; OZ15, TP1—Missouri River Alluvial Plain.

C. Criteria values.

(I) Prediction value—A TP concentration that is derived from the characteristics of a lake including dam height in feet, hydraulic residence time in years, and percentage of the watershed that was historically covered by prairie grasses. Prediction values for total phosphorus are calculated directly from these characteristics.

(II) Reference value—A TP concentration that is representative of lakes within an ecoregion having the following characteristics:

(a) Less than twenty percent (20%) of the watershed is in crop land and urban land combined;

(b) There are no point source wastewater discharges

and no concentrated animal feeding operations within the watershed;

(c) In the Plains region, more than fifty percent (50%) of the watershed is in grassland; and

(d) In the Ozark Highlands region, more than fifty percent (50%) of the watershed is in woodland.

(III) Site-specific value—A TP concentration for a lake that has been identified as having trophic characteristics for which the reference of the ecoregion and the prediction values for that water body are not adequate to prevent deterioration of water quality. Site-specific criteria are applicable to lakes having a geometric mean TP concentration equal to or less than the 10th percentile value of the range of geometric mean TP concentrations measured in reference lakes within a lake ecoregion. Site specific criteria are also applicable to lakes with actual TP geometric mean concentrations that are at or below the reference value where the prediction value is at or below the 10th percentile for TP geometric mean concentrations within a lake ecoregion. The 10th percentile values for each ecoregion are listed in Table L, and lakes with site-specific criteria are listed in Tables M and N.

D. Tributary arm—A substantial segment of an L2 lake that is primarily recharged by a source or sources other than the main channel of the lake.

2. This rule applies to all lakes and reservoirs listed in Table G that are outside the Big River Floodplain ecoregion and have an area of at least ten (10) acres during normal pool.

3. Nutrient criteria for lakes and reservoirs with site-specific criteria are listed in Tables M and N. Nutrient criteria for other lakes are as follows:

A. Total phosphorus (TP)—

(I) For lakes in which the TP prediction value or the actual TP concentration does not exceed the reference value listed in Table L, the TP criterion shall be the reference value, except as described below;

(II) For lakes in which the TP prediction value does not exceed the reference value, and the actual TP value does not exceed the prediction value, the TP criterion shall be the prediction value;

(III) For lakes in which the TP prediction value and the actual TP concentration exceed the reference value listed in Table L, the TP criterion shall be limited to the prediction value; and

(IV) Site-specific TP criteria for the tributary arms of L2 lakes are listed in Table N.

B. Total nitrogen (TN)—

(I) For lakes in which the TP prediction value does not exceed the reference value listed in Table L, TN concentration shall be limited to twenty (20) times the TP reference value;

(II) For lakes in which the TP prediction value does not exceed the reference value, and the actual TP value does not exceed the prediction value, TN concentration shall be limited to twenty (20) times the TP prediction value;

(III) For lakes in which the TP prediction value exceeds the TP reference value listed in Table L, TN concentration shall be limited to twenty (20) times the TP prediction value; and

(IV) This portion of the rule does not apply to lakes that are held to site-specific criteria for TP, TN, and Chl, as listed in Tables M and N.

C. Chlorophyll (Chl)—Chl criteria shall be calculated from TP criteria as follows:

(I) Plains: Chl:TP = 0.44;

(II) Ozark Border and Ozark Highlands: Chl:TP = 0.42; and

(III) This portion of the rule does not apply to lakes that are held to site-specific criteria for TP, TN, and Chl, as listed in Tables M and N.

4. All TP, TN, and chlorophyll concentrations must be calculated as the geometric mean of a minimum of four (4) samples

per year for four (4) consecutive years. All samples must be collected from the surface, near the outflow end of the lake, and during the period May 1–August 31.

((N))/(O) All methods of sample collection, preservation, and analysis used in applying criteria in these standards shall be in accord with those prescribed in the latest edition of *Standard Methods for the Examination of Water and Wastewater* or other procedures approved by the Environmental Protection Agency and the Missouri Department of Natural Resources.

((O))/(P) Criteria to protect designated uses are based on current technical literature, especially the Environmental Protection Agency's publication, *Quality Criteria for Water*, 1986. Criteria may be modified or expanded as additional information is developed or as needed to define narrative criteria for particular situations or locations.

((P))/(Q) WET Chronic Tests. Chronic WET tests performed at the percent effluent at the edge of the mixing zone shall not be toxic to the *[most]* more sensitive of at least two (2) representative, diverse species. Pollutant attenuation processes such as volatilization and biodegradation which may occur within the allowable mixing zone will be considered in interpreting results.

((Q))/(R) Biocriteria. The biological integrity of waters, as measured by lists or numeric diversity indices of benthic invertebrates, fish, algae, or other appropriate biological indicators, shall not be significantly different from reference waters. Waters shall be compared to reference waters of similar size within an ecoregion. Reference water locations are listed in Table I.

((R))/(S) Site-Specific Criteria Development for the Protection of Aquatic Life. When water quality criteria in this regulation are either underprotective or overprotective of water quality due to natural, non-anthropogenic conditions for a given water body segment, a petitioner may request site-specific criteria. The petitioner must provide the department with sufficient documentation to show that the current criteria are not adequate and that the proposed site-specific criteria will protect all existing and/or potential uses of the water body.

1. Site-specific criteria may be appropriate where, but is not limited to the examples given in subparagraphs A. or B. of this paragraph:

A. The resident aquatic species of the selected water body have a different degree of sensitivity to a specific pollutant as compared to those species in the data set used to calculate the national or state criteria as described in either of the following parts:

(I) Natural adaptive processes have enabled a viable, balanced aquatic community to exist in waters where natural (non-anthropogenic) background conditions exceed the criterion (e.g., resident species have evolved a genetically based greater tolerance to high concentrations of a chemical); or

(II) The composition of aquatic species in a water body is different from those used in deriving a criterion (e.g., most of the species considered among the most sensitive, such as salmonids or the cladoceran, *Ceriodaphnia dubia*, which were used in developing a criterion, are absent from a water body).

B. The physical and/or chemical characteristics of the water body alter the biological availability and/or toxicity of the pollutant (e.g., pH, alkalinity, salinity, water temperature, hardness).

2. All petitioners seeking to develop site-specific criteria shall coordinate with the department early in the process. This coordination will insure the use of adequate, relevant, and quality data; proper analysis and testing; and defensible procedures. The department will provide guidance for establishing site-specific water quality criteria using scientific procedures including, but not limited to, those procedures described in the U.S. Environmental Protection Agency's *Water Quality Standards Handbook*, Second Edition, August 1994.

3. Site-specific criteria shall protect all life stages of resident species and prevent acute and chronic toxicity in all parts of a water body.

4. Site-specific criteria shall include both chronic and acute

concentrations to better reflect the different tolerances of resident species to the inherent variability between concentrations and toxicological characteristics of a chemical.

5. Site-specific criteria shall be clearly identified as maximum “not to be exceeded” or average values, and if an average, the averaging period and the minimum number of samples. The conditions, if any, when the criteria apply shall be clearly stated (e.g., specific levels of hardness, pH, or water temperature). Specific sampling requirements (e.g., location, frequency), if any, shall also be identified.

6. The data, testing procedures, and application (safety) factors used to develop site-specific criteria shall reflect the nature of the chemical (e.g., persistency, bioaccumulation potential, and avoidance or attraction responses in fish) and the most sensitive resident species of a water body.

7. The size of a site may be limited to a single water segment, single water subsegment, or may cover a whole watershed depending on the particular situation for which the specific criterion is developed. A group of water bodies may be considered one site if their respective aquatic communities are similar in composition and have comparable water quality.

8. The department shall determine if a site-specific criterion is adequate and justifiable. Each site-specific criterion shall be promulgated into rule 10 CSR 20-7.031. The public notice shall include a description of the affected water body or water body segment and the reasons for applying the proposed criterion. If the department determines that there is significant public interest, a public hearing may be held in the geographical vicinity of the affected water body or water body segment. Any site-specific criterion promulgated under these provisions is subject to U.S. EPA approval prior to becoming effective.

(5) Groundwater.

(B) When criteria *[in]* for the protection of aquatic life or human health protection-fish ~~consumption~~ **consumption** in Table A are more stringent than groundwater criteria, appropriate criteria for the protection of aquatic life or human health protection-fish consumption shall apply to waters in caves and to aquifers which contribute an important part of base flow of surface waters designated for aquatic life protection. Other substances not listed in Table A shall be limited in these aquifers and caves so that the aquatic life use is protected.

Table A—Criteria for Designated Uses

WBC = Whole Body Contact Recreation
SCR = Secondary Contact Recreation
AQL = Protection of Aquatic Life
DWS = Drinking Water Supply
LWW = Livestock and Wildlife Watering
GRW = Groundwater

Pollutant (µg/L)	AQL
Chlorine (total residual)	
cold-water	2
warm-water chronic—	10
acute—	19
Cyanide (amenable to chlorination)	
chronic—	5
acute—	22
Hydrogen sulfide (un-ionized)	2

Pollutant (mg/L)	AQL	DWS	LWW	GRW
Chloride chronic—	230(+)	250		
acute—	860(+)			
Sulfate	(+)	250		
Fluoride		4	4	4
Nitrate-N		10		10
Dissolved oxygen (minimum)*				
warm-water and cool-water fisheries	5			
cold-water fisheries	6			
Oil and grease	10			

+ See 10 CSR 20-7.031(4)(L).

* Site-Specific Criteria have been promulgated for waters listed in Table K.

Pollutant (/100 mL)	WBC-A	WBC-B	SCR
[Fecal Coliform Bacteria *	200		1800]
E. coli Bacteria**	126	[548/206	1134

**Geometric mean during the recreational season in waters designated for recreation or at any time in losing streams. The recreational season is from April 1 to October 31.

Pollutant	AQL	
Temperature (maximum)	°F	°C
warm-water	90	32 2/9
cool-water	84	28 8/9
cold-water	68	20
Temperature (maximum change)		
warm-water	5	2 7/9
cool-water	5	2 7/9
cold-water	2	1 6/9

Pollutant (percent saturation)	AQL
Total Dissolved Gases	110%

AQL	=	Protection of Aquatic Life
HHF	=	Human Health Protection-Fish Consumption
DWS	=	Drinking Water Supply
IRR	=	Irrigation
LWW	=	Livestock Wildlife Watering
GRW	=	Groundwater

Pollutant ($\mu\text{g/L}$)	AQL	HHF	DWS	IRR	LWW	GRW
Metals (refer to text in 10 CSR 20-7.031(4)(B)2.)						
<i>(Nonhardness/ Not Hardness Dependant)</i>						
Aluminum (acute)	750					
Antimony		4,300	6			6
Arsenic	20		50	100		50
Barium			2,000			2,000
Beryllium	5		4	100		4
Boron				2,000		2,000
Cadmium	*		5			5
Chromium III	*		100	100		100
<i>[Chromium] Chromium VI</i>						
chronic	10					
acute	15					
Cobalt					1,000	1,000
Copper	*		1,300		500	1,300
Iron	1,000					300
Lead	*		15			15
Manganese						50
Mercury			2			2
chronic	0.5					
acute	2.4					
Nickel	*		100			100
Selenium	5		50			50
Silver	*		50			50
Thallium		6.3	2			2
Zinc	*		5,000			5,000

*See Metals (Hardness Dependent)

AQL = Protection of Aquatic Life

Pollutant (µg/L)		AQL
Metals (Hardness Dependent)		
Cadmium (µg/L)	Acute:	$e^{(1.0166 \cdot \ln(\text{Hardness}) - 3.062490)} \cdot (1.136672 - (\ln(\text{Hardness}) \cdot 0.041838))$
	Chronic:	$e^{(0.7409 \cdot \ln(\text{Hardness}) - 4.719948)} \cdot (1.101672 - (\ln(\text{Hardness}) \cdot 0.041838))$
Chromium III (µg/L)	Acute:	$e^{(0.8190 \cdot \ln(\text{Hardness}) + 3.725666)} \cdot 0.316$
	Chronic:	$e^{(0.8190 \cdot \ln(\text{Hardness}) + 0.684960)} \cdot 0.860$
Copper (µg/L)	Acute:	$e^{(0.9422 \cdot \ln(\text{Hardness}) - 1.700300)} \cdot 0.960$
	Chronic:	$e^{(0.8845 \cdot \ln(\text{Hardness}) - 1.702)} \cdot 0.960$
Lead (µg/L)	Acute:	$e^{(1.273 \cdot \ln(\text{Hardness}) - 1.460448)} \cdot (1.46203 - (\ln(\text{Hardness}) \cdot 0.145712))$
	Chronic:	$e^{(1.273 \cdot \ln(\text{Hardness}) - 4.704797)} \cdot (1.46203 - (\ln(\text{Hardness}) \cdot 0.145712))$
Nickel (µg/L)	Acute:	$e^{(0.8460 \cdot \ln(\text{Hardness}) + 2.255647)} \cdot 0.998$
	Chronic:	$e^{(0.8460 \cdot \ln(\text{Hardness}) + 0.058978)} \cdot 0.997$
Silver (µg/L)	Acute:	$e^{(1.72 \cdot \ln(\text{Hardness}) - 6.588144)} \cdot 0.850$
Zinc (µg/L)	Acute:	$e^{(0.8473 \cdot \ln(\text{Hardness}) + 0.884)} \cdot 0.98$
	Chronic:	$e^{(0.8473 \cdot \ln(\text{Hardness}) + 0.884)} \cdot 0.98$

	Hardness								
	50-74	75-99	100-124	125-149	150-174	175-199	200-224	225-249	250+
Cadmium									
Acute:	2.4	3.6	4.8	5.9	7.1	8.2	9.4	10.5	11.6
Chronic:	0.2	0.2	0.3	0.3	0.3	0.4	0.4	0.4	0.5
Chromium III									
Acute:	323	450	570	684	794	901	1,005	1,107	1,207
Chronic:	42	59	74	89	103	117	131	144	157
Copper									
Acute:	7	10	13	17	20	23	26	29	32
Chronic:	[4] 5	[6] 7	[7] 9	[9] 11	[10] 13	[12] 14	[13] 16	[15] 18	[16] 20
Lead									
Acute:	30	47	65	82	100	118	136	154	172
Chronic:	1	2	3	3	4	5	5	6	7
Nickel									
Acute:	261	367	469	566	660	752	842	930	1,017
Chronic:	29	41	52	63	73	84	94	103	113
Silver									
Acute:	1.0	2.0	3.2	4.7	6.5	8.4	10.6	13.0	15.6
Zinc									
Acute:	65	92	117	142	165	188	211	233	255
Chronic:	[59] 65	[84] 92	[107] 117	[129] 142	[151] 165	[172] 188	[193] 211	[213] 233	[233] 255

AQL = Protection of Aquatic Life
 HHF = Human Health Protection-Fish Consumption
 DWS = Drinking Water Supply
 GRW = Groundwater

Pollutant (µg/L)	AQL	HHF	DWS	GRW
Organics				
Acrolein		780	320	320
Bis-2-chloroisopropyl ether		4,360	1,400	1,400
2, chlorophenol		400	.1	.1
2,4-dichlorophenol	7	790	93	93
2,4-dinitrophenol		14,000	70	70
2,4-dimethylphenol		2,300	540	540
2,4,5-trichlorophenol		9,800	2,600	2,600
2,4,6-trichlorophenol		6.5	2	2
2-methyl-4,6-dinitrophenol		765	13	13
Ethylbenzene	320		700	700
Hexachlorocyclopentadiene	.5		50	50
Isophorone		2,600	36	36
Nitrobenzene		1,900	17	17
Phenol	100		100	300
Dichloropropene		1,700	87	87
Para(1,4)-dichlorobenzene		2,600	75	75
Other Dichlorobenzenes		2,600	600	600
1,2,4-trichlorobenzene		940	70	70
1,2,4,5-tetrachlorobenzene		2.9	2.3	2.3
pentachlorobenzene		4.1	3.5	3.5
1,1,1-trichloroethane			200	200
1,1,2-trichloroethane		42	5	5
2,4-dinitrotoluene		9	.11	.04
1,2-diphenylhydrazine		.54	.04	.04
di (2-ethylhexyl) adipate			400	400
n-nitrosodiphenylamine		16	5	5
n-nitrosopyrrolidene		91.9		
2-chloronaphthalene	4,300			
n-nitrosodi-n-propylamine		1.4		
Pollutant (µg/L)	AQL		DWS	GRW
Pesticides				
Demeton	.1			
Endosulfan				
chronic—	.056			
acute—	0.11			
Guthion	.01			
Malathion	.1			
Parathion	.04			
2,4-D			70	70
2,4,5-TP			50	50
Chlorpyrifos	.04			
Alachlor			2	2
Atrazine			3	3
Carbofuran			40	40
Dalapon			200	200
Dibromochloropropane			.2	.2
Dinoseb			7	7
Diquat			20	20
Endothall			100	100
Ethylene dibromide			.05	.05
Oxamyl (vydate)			200	200
Picloram			500	500
Simazine			4	4
Glyphosate			700	700

AQL = Protection of Aquatic Life
HHF = Human Health Protection-Fish Consumption
DWS = Drinking Water Supply
GRW = Groundwater

Pollutant ($\mu\text{g/L}$)	AQL	HHF	DWS	GRW
Bioaccumulative,				
Anthropogenic Toxics (+)				
PCBs		.000045		.000045
4-4' dichlorodiphenyldichloroethane (DDT)		0.00059	0.00059	0.00059
4-4' dichlorodiphenyldichloroethylene (DDE)		0.00059	0.00059	0.00059
4-4' dichlorodiphenyldichloroethane (DDD)		0.00084	0.00083	0.00083
Endrin		.0023	2	2
Endrin aldehyde		.0023	.75	.75
Aldrin		.000079	.00013	.00013
Dieldrin		.000076	.00014	.00014
Heptachlor	.0038	.0002	0.4	0.4
Heptachlor epoxide		.00011	0.2	0.2
Methoxychlor	.03		40	40
Mirex	.001			
Toxaphene		.000073	3	3
Lindane (gamma-BHC)		.062	.2	.2
Alpha,beta,delta-BHC		.0074	.0022	.0022
Chlordane		.00048	2	2
Benzidine		.00053	.00012	.00012
2,3,7,8-tetrachlorodibenzo-p-dioxin (ng/L)* (TCDD or dioxin)		.000014	0.000013	0.000013
Pentachlorophenol**	3.2-pH 6.5	8	1	1
	5.3-pH 7.0			
	8.7-pH 7.5			
	14.0-pH 8.0			
	23.0-pH 8.5			

+ Many of these values are below current detection limits; analyses will be determined by the 17th edition of *Standard Methods* or the most current methods approved by the Environmental Protection Agency.

*Units for dioxin are nanograms/liter (ng/L); 1 $\mu\text{g/L}$ = 1,000 ng/L.

**Toxic impurities may be present in technical-grade pentachlorophenol; monitoring and discharge control will assure that impurities are below toxic concentrations.

HHF = Human Health Protection-Fish Consumption
DWS = Drinking Water Supply
GRW = Groundwater

Pollutant ($\mu\text{g/L}$)	HHF	DWS	GRW
Anthropogenic Carcinogens(+)			
Acrylonitrile	.65	.058	.058
Hexachlorobenzene	.00074	1	1
Bis (2-chloroethyl) ether	1.4	.03	.03
Bis (chloromethyl) ether	0.00078	.00013	.00013
Hexachloroethane	8.7	1.9	1.9
3,3'-dichlorobenzidine	0.08	.04	.04
Hexachlorobutadiene	50	.45	.45
n-nitrosodimethylamine	8	.0007	.0007

(+) Some of these values are below current detection limits; analyses will be determined by the 17th edition of *Standard Methods* or the most current methods approved by the Environmental Protection Agency.

Pollutant ($\mu\text{g/L}$)	HHF	DWS	GRW
Volatile Organics			
Chlorobenzene	21,000	100	100
Carbon Tetrachloride	5	5	5
Trihalomethanes		80	80
Bromoform	360	4.3	4.3
Chlorodibromomethane	34	0.41	0.41
Dichlorobromomethane	46	0.56	0.56
Chloroform	470	5.7	5.7
Methyl Bromide	4,000	48	48
Methyl Chloride	470	5	5
Methylene Chloride	1,600	4.7	4.7
Dichlorodifluoromethane	570,000		
Trichlorofluoromethane	860,000		
1,2-dichloroethane	99	5	5
1,1,2,2-tetrachloroethane	11	.17	.17
1,1-dichloroethylene	3.2	7	7
1,2-trans-dichloroethylene	140,000	100	100
1,2-cis-dichloroethylene		70	70
Trichloroethylene	80	5	5
Tetrachloroethylene	8.85	0.8	0.8
Benzene	71	5	5
Toluene	200,000	1,000	1,000
Xylenes (total)		10,000	10,000
Vinyl chloride	525	2	2
Styrene		100	100
1,2-dichloropropane	39	0.52	0.52

Pollutant (Fibers/L)	DWS	GRW
Asbestos	7,000,000	

HHF = Human Health Protection-Fish Consumption
DWS = Drinking Water Supply
GRW = Groundwater

Pollutant ($\mu\text{g/L}$)	HHF	DWS	GRW
Polynuclear Aromatic Hydrocarbons			
Anthracene	110,000	9,600	9,600
Fluoranthene	370	300	300
Fluorene	14,000	1,300	1,300
Pyrene	11,000	960	960
Benzo(a)pyrene	.049	0.2	0.2
other polynuclear aromatic hydrocarbons*	.049	.0044	.0044
Acenaphthene	2,700	1,200	1,200

*This concentration is allowed for each of the following PAHs: benzo(a)anthracene, 3,4-benzofluoranthene, chrysene, dibenzo(a,h)anthracene, indeno(1,2,3-cd)pyrene and benzo(k)fluoranthene. Higher values may be allowed if natural background concentrations exceed these values.

Pollutant ($\mu\text{g/L}$)	HHF	DWS	GRW
Phthalate Esters			
Bis(2-ethylhexyl) phthalate	5.9	6	6
Butylbenzyl phthalate	5,200	3,000	3,000
Diethyl phthalate	120,000	23,000	23,000
Dimethyl phthalate	2,900,000	313,000	313,000
Di-n-butyl phthalate	12,000	2,700	2,700

Health Advisory Levels

Pollutant ($\mu\text{g/L}$)	DWS	GRW
Ametryn	60	60
Baygon	3	3
Bentazon	20	20
Bis-2-chloroisopropyl ether	300	300
Bromacil	90	90
Bromochloromethane	90	90
Bromomethane	10	10
Butylate	350	350
Carbaryl	700	700
Carboxin	700	700
Chloramben	100	100
o-chlorotoluene	100	100
p-chlorotoluene	100	100
Chlorpyrifos	20	20
DCPA (dacthal)	4,000	4,000
Diazinon	0.6	0.6
Dicamba	200	200
Diisopropyl methylphosphonate	600	600
Dimethyl methylphosphonate	100	100
1,3-dinitrobenzene	1	1
Diphenamid	200	200
Diphenylamine	200	200
Disulfoton	0.3	0.3
1,4-dithiane	80	80
Diuron	10	10

DWS = Drinking Water Supply
GRW = Groundwater

Health Advisory Levels (continued)

Pollutant ($\mu\text{g/L}$)	DWS	GRW
Fenamiphos	2	2
Fluometron	90	90
Fluorotrichloromethane	2,000	2,000
Fonofos	10	10
Hexazinone	200	200
Malathion	200	200
Maleic hydrazide	4,000	4,000
MCPA	10	10
Methyl parathion	2	2
Metolachlor	70	70
Metribuzin	100	100
Naphthalene	20	20
Nitroguanidine	700	700
p-nitrophenol	60	60
Paraquat	30	30
Pronamide	50	50
Propachlor	90	90
Propazine	10	10
Propham	100	100
2,4,5-T	70	70
Tebuthiuron	500	500
Terbacil	90	90
Terbufos	0.9	0.9
1,1,1,2-Tetrachloroethane	70	70
1,2,3-trichloropropane	40	40
Trifluralin	5	5
Trinitroglycerol	5	5
Trinitrotoluene	2	2

Table B2. Chronic Criteria for Total Ammonia Nitrogen (mg N/L): Early Life Stage absent₍₃₎₍₄₎

<i>pH</i>	<i>Temperature (°C)</i>																
	0-7	8	9	10	11	12	13	14	15	16	18	20	22	24	26	28	30
6.5	10.8	10.1	9.5	8.9	8.3	7.8	7.3	6.8	6.4	6.0	5.3	4.6	4.1	3.6	3.1	2.8	2.4
6.6	10.7	9.9	9.3	8.7	8.2	7.7	7.2	6.7	6.3	5.9	5.2	4.6	4.0	3.5	3.1	2.7	2.4
6.7	10.5	9.8	9.2	8.6	8.0	7.5	7.1	6.6	6.2	5.8	5.1	4.5	3.9	3.5	3.0	2.7	2.3
6.8	10.2	9.5	8.9	8.4	7.9	7.4	6.9	6.5	6.1	5.7	5.0	4.4	3.8	3.4	3.0	2.6	2.3
6.9	9.9	9.3	8.7	8.1	7.6	7.2	6.7	6.3	5.9	5.5	4.8	4.3	3.7	3.3	2.9	2.5	2.2
7.0	9.6	9.0	8.4	7.9	7.4	6.9	6.5	6.1	5.7	5.3	4.7	4.1	3.6	3.2	2.8	2.4	2.1
7.1	9.2	8.6	8.0	7.5	7.1	6.6	6.2	5.8	5.4	5.1	4.5	3.9	3.5	3.0	2.7	2.3	2.0
7.2	8.7	8.2	7.6	7.2	6.7	6.3	5.9	5.5	5.2	4.9	4.3	3.7	3.3	2.9	2.5	2.2	1.9
7.3	8.2	7.7	7.2	6.7	6.3	5.9	5.6	5.2	4.9	4.6	4.0	3.5	3.1	2.7	2.4	2.1	1.8
7.4	7.6	7.2	6.7	6.3	5.9	5.5	5.2	4.8	4.5	4.3	3.7	3.3	2.9	2.5	2.2	1.9	1.7
7.5	7.0	6.6	6.2	5.8	5.4	5.1	4.8	4.5	4.2	3.9	3.4	3.0	2.6	2.3	2.0	1.8	1.6
7.6	6.4	6.0	5.6	5.3	5.0	4.6	4.3	4.1	3.8	3.6	3.1	2.7	2.4	2.1	1.9	1.6	1.4
7.7	5.8	5.4	5.1	4.7	4.0	4.2	3.9	3.7	3.4	3.2	2.8	2.5	2.2	1.9	1.7	1.5	1.3
7.8	5.1	4.8	4.5	4.2	4.4	3.7	3.5	3.2	3.0	2.8	2.5	2.2	1.9	1.7	1.5	1.3	1.1
7.9	4.5	4.2	3.9	3.7	3.5	3.2	3.1	2.8	2.7	2.5	2.2	1.9	1.7	1.5	1.3	1.1	1.0
8.0	3.9	3.7	3.4	3.2	3.0	2.8	2.6	2.5	2.3	2.2	1.9	1.7	1.5	1.3	1.1	1.0	0.8
8.1	3.4	3.1	2.9	2.8	2.6	2.4	2.3	2.1	2.0	1.9	1.6	1.4	1.2	1.1	1.0	0.8	0.7
8.2	2.9	2.7	2.5	2.4	2.2	2.1	1.9	1.8	1.7	1.6	1.4	1.2	1.1	0.9	0.8	0.7	0.6
8.3	2.4	2.3	2.1	2.0	1.9	1.7	1.6	1.5	1.4	1.3	1.2	1.0	0.9	0.8	0.7	0.6	0.5
8.4	2.0	1.9	1.8	1.7	1.6	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.7	0.7	0.6	0.5	0.4
8.5	1.7	1.6	1.5	1.4	1.3	1.2	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.5	0.4	0.4
8.6	1.4	1.4	1.3	1.2	1.1	1.0	1.0	0.9	0.8	0.8	0.7	0.6	0.5	0.4	0.4	0.3	0.3
8.7	1.2	1.1	1.1	1.0	0.9	0.9	0.8	0.8	0.7	0.7	0.6	0.5	0.4	0.4	0.3	0.3	0.2
8.8	1.0	1.0	0.9	0.8	0.8	0.7	0.7	0.6	0.6	0.6	0.5	0.4	0.4	0.3	0.3	0.2	0.2
8.9	0.9	0.8	0.8	0.7	0.7	0.6	0.6	0.5	0.5	0.5	0.4	0.3	0.3	0.2	0.2	0.2	0.2
9.0	0.7	0.7	0.6	0.6	0.6	0.5	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.1

pH	Temperature °C									
	0-7	8	9	10	11	12	13	14	*15	*16
6.5	10.82	10.15	9.51	8.92	8.36	7.84	7.35	6.89	6.46	6.06
6.6	10.66	9.99	9.37	8.79	8.24	7.72	7.24	6.79	6.36	5.97
6.7	10.46	9.81	9.20	8.62	8.08	7.58	7.11	6.66	6.25	5.86
6.8	10.22	9.58	8.98	8.42	7.90	7.40	6.94	6.51	6.10	5.72
6.9	9.93	9.31	8.73	8.19	7.68	7.20	6.75	6.33	5.93	5.56
7.0	9.60	9.00	8.43	7.91	7.41	6.95	6.52	6.11	5.73	5.37
7.1	9.20	8.63	8.09	7.58	7.11	6.67	6.25	5.86	5.49	5.15
7.2	8.75	8.20	7.69	7.21	6.76	6.34	5.94	5.57	5.22	4.90
7.3	8.24	7.73	7.25	6.79	6.37	5.97	5.60	5.25	4.92	4.61
7.4	7.69	7.21	6.76	6.33	5.94	5.57	5.22	4.89	4.59	4.30
7.5	7.09	6.64	6.23	5.84	5.48	5.13	4.81	4.51	4.23	3.97
7.6	6.46	6.05	5.67	5.32	4.99	4.68	4.38	4.11	3.85	3.61
7.7	5.81	5.45	5.11	4.79	4.49	4.21	3.95	3.70	3.47	3.25
7.8	5.17	4.84	4.54	4.26	3.99	3.74	3.51	3.29	3.09	2.89
7.9	4.54	4.26	3.99	3.74	3.51	3.29	3.09	2.89	2.71	2.54
8.0	3.95	3.70	3.47	3.26	3.05	2.86	2.68	2.52	2.36	2.21
8.1	3.41	3.19	2.99	2.81	2.63	2.47	2.31	2.17	2.03	1.91
8.2	2.91	2.73	2.56	2.40	2.25	2.11	1.98	1.85	1.74	1.63
8.3	2.47	2.32	2.18	2.04	1.91	1.79	1.68	1.58	1.48	1.39
8.4	2.09	1.96	1.84	1.73	1.62	1.52	1.42	1.33	1.25	1.17
8.5	1.77	1.66	1.55	1.46	1.37	1.28	1.20	1.13	1.06	0.990
8.6	1.49	1.40	1.31	1.23	1.15	1.08	1.01	0.951	0.892	0.836
8.7	1.26	1.18	1.11	1.04	0.976	0.915	0.858	0.805	0.754	0.707
8.8	1.07	1.01	0.944	0.885	0.829	0.778	0.729	0.684	0.641	0.601
8.9	0.917	0.860	0.806	0.756	0.709	0.664	0.623	0.584	0.548	0.513
9.0	0.790	0.740	0.694	0.651	0.610	0.572	0.536	0.503	0.471	0.442

* At 15° C and above, the criterion for fish ELS absent is the same as the criterion for fish ELS present.

Table B3. Chronic Criteria for Total Ammonia Nitrogen (mg N/L): Early Life Stages present ⁽⁵⁾

<i>I</i> <i>pH</i>	<i>Temperature (°C)</i>									
	0	14	16	18	20	22	24	26	28	30
6.5	6.6	6.6	6.0	5.3	4.6	4.1	3.6	3.1	2.8	2.4
6.6	6.5	6.5	5.9	5.2	4.6	4.0	3.5	3.1	2.7	2.4
6.7	6.4	6.4	5.8	5.1	4.5	3.9	3.5	3.0	2.7	2.3
6.8	6.2	6.2	5.7	5.0	4.4	3.8	3.4	3.0	2.6	2.3
6.9	6.1	6.1	5.5	4.8	4.3	3.7	3.3	2.9	2.5	2.2
7.0	5.9	5.9	5.3	4.7	4.1	3.6	3.2	2.8	2.4	2.1
7.1	5.6	5.6	5.1	4.5	3.9	3.5	3.0	2.7	2.3	2.0
7.2	5.3	5.3	4.9	4.3	3.7	3.3	2.9	2.5	2.2	1.9
7.3	5.0	5.0	4.6	4.0	3.5	3.1	2.7	2.4	2.1	1.8
7.4	4.7	4.7	4.3	3.7	3.3	2.9	2.5	2.2	1.9	1.7
7.5	4.3	4.3	3.9	3.4	3.0	2.6	2.3	2.0	1.8	1.6
7.6	3.9	3.9	3.6	3.1	2.7	2.4	2.1	1.9	1.6	1.4
7.7	3.5	3.5	3.2	2.8	2.5	2.2	1.9	1.7	1.5	1.3
7.8	3.1	3.1	2.8	2.5	2.2	1.9	1.7	1.5	1.3	1.1
7.9	2.8	2.8	2.5	2.2	1.9	1.7	1.5	1.3	1.1	1.0
8.0	2.4	2.4	2.2	1.9	1.7	1.5	1.3	1.1	1.0	0.8
8.1	2.1	2.1	1.9	1.6	1.4	1.2	1.1	1.0	0.8	0.7
8.2	1.7	1.7	1.6	1.4	1.2	1.1	0.9	0.8	0.7	0.6
8.3	1.5	1.5	1.3	1.2	1.0	0.9	0.8	0.7	0.6	0.5
8.4	1.2	1.2	1.1	1.0	0.9	0.7	0.7	0.6	0.5	0.4
8.5	1.0	1.0	0.9	0.8	0.7	0.6	0.5	0.5	0.4	0.4
8.6	0.9	0.9	0.8	0.7	0.6	0.5	0.4	0.4	0.3	0.3
8.7	0.7	0.7	0.7	0.6	0.5	0.4	0.4	0.3	0.3	0.2
8.8	0.6	0.6	0.6	0.5	0.4	0.4	0.3	0.3	0.2	0.2
8.9	0.5	0.5	0.5	0.4	0.3	0.3	0.2	0.2	0.2	0.2
9.0	0.4	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.1

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pH	Temperature °C									
	0	14	16	18	20	22	24	26	28	30
6.5	6.67	6.67	6.06	5.33	4.68	4.12	3.62	3.18	2.80	2.46
6.6	6.57	6.57	5.97	5.25	4.61	4.05	3.56	3.13	2.75	2.42
6.7	6.44	6.44	5.86	5.15	4.52	3.98	3.50	3.07	2.70	2.37
6.8	6.29	6.29	5.72	5.03	4.42	3.89	3.42	3.00	2.64	2.32
6.9	6.12	6.12	5.56	4.89	4.30	3.78	3.32	2.92	2.57	2.25
7.0	5.91	5.91	5.37	4.72	4.15	3.65	3.21	2.82	2.48	2.18
7.1	5.67	5.67	5.15	4.53	3.98	3.50	3.08	2.70	2.38	2.09
7.2	5.39	5.39	4.90	4.31	3.78	3.33	2.92	2.57	2.26	1.99
7.3	5.08	5.08	4.61	4.06	3.57	3.13	2.76	2.42	2.13	1.87
7.4	4.73	4.73	4.30	3.78	3.32	2.92	2.57	2.26	1.98	1.74
7.5	4.36	4.36	3.97	3.49	3.06	2.69	2.37	2.08	1.83	1.61
7.6	3.98	3.98	3.61	3.18	2.79	2.45	2.16	1.90	1.67	1.47
7.7	3.58	3.58	3.25	2.86	2.51	2.21	1.94	1.71	1.50	1.32
7.8	3.18	3.18	2.89	2.54	2.23	1.96	1.73	1.52	1.33	1.17
7.9	2.80	2.80	2.54	2.24	1.96	1.73	1.52	1.33	1.17	1.03
8.0	2.43	2.43	2.21	1.94	1.71	1.50	1.32	1.16	1.02	0.897
8.1	2.10	2.10	1.91	1.68	1.47	1.29	1.14	1.00	0.879	0.773
8.2	1.79	1.79	1.63	1.43	1.26	1.11	0.973	0.855	0.752	0.661
8.3	1.52	1.52	1.39	1.22	1.07	0.941	0.827	0.727	0.639	0.562
8.4	1.29	1.29	1.17	1.03	0.906	0.796	0.700	0.615	0.541	0.475
8.5	1.09	1.09	0.99	0.870	0.765	0.672	0.591	0.520	0.457	0.401
8.6	0.920	0.920	0.836	0.735	0.646	0.568	0.499	0.439	0.386	0.339
8.7	0.778	0.778	0.707	0.622	0.547	0.480	0.422	0.371	0.326	0.287
8.8	0.661	0.661	0.601	0.528	0.464	0.408	0.359	0.315	0.277	0.244
8.9	0.565	0.565	0.513	0.451	0.397	0.349	0.306	0.269	0.237	0.208
9.0	0.486	0.486	0.442	0.389	0.342	0.300	0.264	0.232	0.204	0.179

(1) *Salmonids present*: $CMC = [0.275 / (1 + 10^{7.204 - pH})] + [39.0 / (1 + 10^{pH - 7.204})]$

(2) *Salmonids absent*: $CMC = [0.411 / (1 + 10^{7.204 - pH})] + [58.4 / (1 + 10^{pH - 7.204})]$

(3) Without sufficient and reliable data, it is assumed that Early Life Stages are present and must be protected at all times of the year.

(4) Early Life Stages absent:

$$CCC = [0.0577 / (1 + 10^{7.688 - pH})] + [2.487 / (1 + 10^{pH - 7.688})] * 1.45 * 10^{0.028 * (25 - \text{MAX}(T, 7))}$$

(5) Early Life Stages present:

$$CCC = [0.0577 / (1 + 10^{7.688 - pH})] + [2.487 / (1 + 10^{pH - 7.688})] * \text{MIN}(2.85, 1.45 * 10^{0.028 * (25 - T)})$$

Table G-Lake Classifications and Use Designations

NOTE: Fishing, Swimming and livestock watering may not be allowed in some lakes by the local management authorities. The use designations refer only to the protection of water quality for those potential uses.

WATER BODY	CLASS	ACRES	LOCATION	COUNTY(IES)	LWW	AQL	CDF	WBC	SCR	DWS	IND
<i>[Adrian Lake]</i> Adrian Reservoir	L1	<i>[26.0]</i> 45.0	03,41N,31W	Bates	X	X		B		X	
Agate Lake	L3	<i>[167.0]</i> 210.7	13,60N,06W	Lewis	X	X		A	X		
<i>[Aggrevation Lake]</i> Lonedell Lake	L3	40.0	<i>[31,42N,02E]</i> 16,40N,02E	Franklin	X	X		B	X		
<i>[Amarugia Highlands Lake]</i> Amarugia Lake	L3	<i>[55.0]</i> 39.0	10/11,43N,32W	Cass	X	X		B	X		
<i>[Anderson Lake]</i> Anderson's Whippoorwill Farm Lake	L3	<i>[20.0]</i> 30.0	<i>[36,28N,11E]</i> SW SE 28,28N,11E	Stoddard	X	X		B			
<i>[Annette Lake]</i> Annette, Lake	L3	65.0	01,44N,33W	Cass	X	X		B	X		
Anthones Mill Lake	L3	<i>[110.0]</i> 91.0	<i>[19,39N,01W]</i> SW SW 19,39N,01W	Washington	X	X		B	X		
Antimi Lake	L3	<i>[3.0]</i> 2.0	NE NE 3,48N,12W	Boone	X	X		B			
Apollo Lake	L3	<i>[22.0]</i> 15.0	21,36N,05E	St. Francois	X	X		B	X		
Appleton City Lake	L1	<i>[36.0]</i> 35.0	12,39N,29W	Bates	X	X		B		X	
<i>[Archie Lake]</i> Archie Lakes	L1	<i>[3.5]</i> 7.3	SESE28,43N,31W	Cass	X	X		B		X	
Armstrong Lake	L1	<i>[12.0]</i> 8.0	<i>[28,52N,16W]</i> NE NE 28,52N,16W	Howard	X	X		B		X	
<i>[Arrow Rock Lake]</i> Big Soldier Lake	L3	5.0	36,50N,19W	Saline	X	X		B	X		
Arrowhead, Lake	L3	<i>[150.0]</i> 101.0	18,54N,30W	Clinton	X	X		A	X		
Arrowhead, Lake	L3	<i>[25.0]</i> 23.0	<i>[05,41N,2E]</i> NW NE 31, 42N, 2E	Franklin	X	X		A	X		
Athens State Park Lake	L3	8.0	30,67N,07W	Clark	X	X		A	X		
Atkinson Lake	L3	<i>[355.0]</i> 434.0	NW SE06,37N,28W	<i>[St. Clair]</i> St. Clair/Vernon	X	X		A	X		
<i>[Atlanta Lake]</i> Atlanta City Lake	L1	<i>[14.0]</i> 17.0	SE SW29,59N,14W	Macon	X	X		B		X	
Austin Community Lake	L3	<i>[22.0]</i> 21.0	30,29N,11W	Texas	X	X		A	X		
<i>[Baja Lake Assoc. Lake]</i> Baha Trail Lake	L3	<i>[30.0]</i> 16.0	05,39N,01E	Washington	X	X		B	X		
Baring Country Club Lake	L1	81.0	<i>[SE SE26,63N,12W]</i> SE26,63N,12W	Knox	X	X		A	X	X	
Bass Lake	L3	<i>[40.0]</i> 29.0	13,47N,08W	Callaway	X	X		A	X		
Bean Lake	L3	420.0	<i>[12,13,14,54N,37W]</i> 12,13,14,23, 24, 54N,37W	Platte	X	X		B	X		
Bear Creek Watershed Lake	L3	<i>[28.0]</i> 26.7	<i>[31,64N,09W]</i> 6, 63N,09W	Clark	X	X		B	X		
Beaver Lake	L3	<i>[11.0]</i> 14.0	22,25N,04E	Butler	X	X		A			
Bee Tree Lake	L3	<i>[9.0]</i> 10.0	03,42N,06E	St. Louis	X	X		B	X		
Belcher Branch Lake	L3	<i>[55.0]</i> 42.0	08/17,55N,34W	Buchanan	X	X		B	X		
Belle City Lake	L3	<i>[3.0]</i> 6.0	20,41N,07W	Maries	X	X		B			
Ben Branch Lake	L3	<i>[45.0]</i> 37.0	15/14,44N,08W	Osage	X	X		B	X		
<i>[Bethany Lake #1]</i> Old Bethany City Reservoir	L1	18.0	02,63N,28W	Harrison	X	X		B		X	
<i>[Bethany Lake #2]</i>	<i>[L1]</i>	<i>[50.0]</i>	<i>[27,64N,28W]</i>	<i>[Harrison]</i>	<i>[X]</i>	<i>[X]</i>		<i>[B]</i>		<i>[X]</i>	
<i>[Bethany Reservoir]</i> North Bethany City Reservoir	L3	78.0	SE27,64N,28W	Harrison	X	X		A	X		
Bevier Lake	L3	<i>[20.0]</i> 5.0	S SE,14,57N,15W	Macon	X	X		B			
<i>[Big Buffalo Wildlife Area L]</i> Big Buffalo C.A. Lakes	L3	<i>[5.0]</i> 7.9	<i>[12,41N,20W]</i> 2,12,41N,20W	Benton	X	X		B			
Big Lake	L3	<i>[625.0]</i> 666.0	18&19,30,61N,39W	Holt	X	X		A	X		

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Big Oak Tree S.P. Lake	L3	[22.0] 33.0	14,23N,16E	Mississippi	X	X		B			
Bilby Ranch Lake	L3	[110.0] 95.0	13/24,64N,38W	Nodaway	X	X		B	X		
Binder Lake	L3	127.0	SW SE36,45N,13W	Cole	X	X		B	X		
[Birds Blue Hole] Tom Bird Blue Hole	L3	[8.0] 6.0	29,27N,18E	Mississippi	X	X		B			
Blind Pony Lake	L3	[195.0] 96.0	NW SE18,49N,22W	Saline	X	X		B	X		
Bloodland Lake (Ft. Wood)	L3	[45.0] 38.1	04,34N,11W	Pulaski	X	X		B	X		
[Blue Lake] Blues Pond	L3	10.0	09,37N,08W	Phelps	X	X		B	X		
[Blue Mountain Camp] Blue Mountain Lake	L1	14.0	NW SE,09,33N,5E	Madison	X	X		B		X	
Blue Springs Lake	L3	[720.0] 642.0	[03/04,48N,31W] 33,49N,31W	Jackson	X	X		A	X		
Bluestem Lake	L3	[15.0] 13.0	22,47N,31W	Jackson	X	X		B	X		
Bocomo Lake	L3	140.0	NW NE10,49N,13W	Boone	X	X		B	X		
Bodarc Lake	L3	[15.0] 13.0	23,47N,31W	Jackson	X	X		B	X		
[Bonne Ava Lake] Bonne Aqua Lake	L3	6.0	[25,38N,04E] SE NE 26,38N,04E	St. Francois	X	X		B			
Bonne Terre City Lake	L3	10.0	[14,37N,04E] SUR 467,37N,04E	St. Francois	X	X		B			
[Bowling Green Lake] Bowling Green Reservoir	L1	41.0	W NW29,53N,02W	Pike	X	X		B	X	X	
Bowling Green Lake (Old)	L1	7.0	NE NE30,53N,02W	Pike	X	X		B		X	
[Bray Lake] Brays Lake	L3	162.0	NE NW35,37N,08W	Phelps	X	X		B	X		
Breckenridge Lake	L1	[80.0] 13.0	NE SW3,57N,26W	Caldwell	X	X		B	X	X	
Briarwood, Lake	L3	[103.0] 69.0	SW NE33,40N,04E	Jefferson	X	X		A	X		
Brookfield Lake	L1	120.0	SE SE33,58N,19W	Linn	X	X		B		X	
Browning Lake	L3	120.0	[10,11,12,57N,36W] 22,25,26,27,3N,22E	Buchanan	X	X		B	X		
Bucklin Lake	L1	17.0	11,57N,18W	Linn	X	X		B		X	
Buffalo Bill Lake	L3	45.0	[28,57N,31W] 28,58N,31W	Dekalb	X	X		B	X		
Bull Shoals Lake	L2	9,000.0	21/34,20N,15W	Ozark	X	X	X	A	X		
Burlington Lake	L3	[40.0] 21.0	[27,57N,30W] 34,57N,30W	Clinton	X	X		B			
Busch W.A. #35	L3	51.0	[NE NE30,46N,03E] SUR 1669 (NE NE30,46N,03E)	St. Charles	X	X		B			
Busch W.A.-Kraut Run Lake	L3	[182.0] 164.0	[NW NE23,46N,02E] SUR 56 (NW NE23,46N,02E)	St. Charles	X	X		B			
Bushwacker Lake	L3	[159.0] 148.0	[27,34N,32W] 26,34N,32W	Vernon	X	X		B	X		
Butler Lake	L1	[67.0] 71.0	NW NE14,40N,32W	Bates	X	X		B		X	
Butterfly Lake	L3	[85.0] 65.0	NW NE34,36N,07E	Ste. Genevieve	X	X		B			
Callaway Lake	L3	[160.0] 135.0	06,45N,02E	St. Charles	X	X		A	X		
Cameron Lake #1	L1	25.0	SW SW10,57N,30W	Dekalb	X	X		B	X	X	
Cameron Lake #2	L1	[35.0] 31.0	[NW NW10,57N,30W] SW SW10,57N,30W	Dekalb	X	X		B	X	X	
Cameron Lake #3	L1	[96.0] 92.0	[SE NE09,57N,30W] NW NE09,57N,30W	Dekalb	X	X		B	X	X	
Cameron Lake #4 (Grindstone Reservoir)	L1	[180.0] 173.0	[05/08,57N,30W] NE NW 08,57N,30W	Dekalb	X	X		B	X		
[Camp Irondale Lake] Cherokee, Lake	L3	[10.0] 6.0	[13,36N,01E] 14,36N,03E	Washington	X	X		B	X		
Camp Solidarity Lake	L3	[12.0] 10.0	24,43N,02E	Franklin	X	X		B	X		
[Carroll Reservoir] Carrollton Recreation Lake	L3	[65.0] 61.0	SE NW07,52N,23W	Carroll	X	X		B	X		
Catclaw Lake	L3	42.0	14,47N,31W	Jackson	X	X		B	X		

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Cedar Hill Lakes	L3	[36.0] 22.6	35,42N,03E	Jefferson	X	X		A	X		
Cedar Lake	L3	[16.0] 21.0	35,48N,13W	Boone	X	X		A	X		
Cedar Lake	L3	45.0	[22,37N,05E] SE SE 21,37N,05E	St. Francois	X	X		A	X		
Champetra, Lake	L3	[60.0] 58.0	NW13,45N,12W	Boone	X	X		A	X		
Charity Lake	L3	[17.0] 9.0	[32,66N,41W-1,65N,41W] NW SE 1,65N,41W	Atchison	X	X		B	X		
Clarence Lake #1	L1	20.0	15,57N,12W	Shelby	X	X		B	X	X	
Clarence Lake #2	L1	31.0	15,57N,12W	Shelby	X	X		B	X	X	
Clearwater Lake	L2	[1,650.0] 1,635.0	NW NE06,28N,03E	Wayne/Reynolds	X	X		A	X		
Cleveland Reservoir	L1	[8.0] 10.0	29,45N,33W	Cass	X	X		B			X
[Clever Dell Lake] Clover Dell Park Lake	L3	[12.0] 10.0	13,45N,22W	Pettis	X	X		B	X		
[Cole County Park Lake] Jaycee Park Lake (Cole County)	L3	[7.0] 8.0	17,44N,12W	Cole	X	X		B			
Cole Lake	L3	[38.0] 40.0	SE10,38N,04E	Jefferson	X	X		A	X		
[Conner O. Fewell Lake] Conner O. Fewell C.A. Lakes	L3	[10.0] 14.0	[32,29,43N,25W] 32,43N,25W	Henry	X	X		B	X		
Contrary, Lake	L3	[193.0] 291.0	26,27,35,57N,36W	Buchanan	X	X		A	X		
Cool Valley Lake	L3	[35.0] 19.0	09,40N,02E	Franklin	X	X		B	X		
Cooley Lake	L3	[300.0] 380.0	[SE02,51N,30W] 02,03,11, 51N,30W	Clay	X	X		B			
Coot Lake	L3	[22.0] 20.0	22,47N,31W	Jackson	X	X		B	X		
[Corner Blue Hole Lake (34)] 34 Corner Blue Hole	L3	9.0	[25,25N,17E] 35,25N,17E	Mississippi	X	X		B			
Cosmo-Bethel Lake	L3	6.0	NW36,48N,13W	Boone	X	X		B			
Cottontail Lake	L3	[27.0] 22.0	14,47N,31W	Jackson	X	X		B	X		
Council Bluff Lake	L3	[440.0] 423.0	23,35N,01E	Iron	X	X		A	X		
Crane Lake	L3	[50.0] 109.0	W33,32N,04E	Iron	X	X		B	X		
Creighton Lake	L1	[14.0] 18.0	NW SE,14,43N,29W	Cass	X	X		B			X
Crescent Lake	L3	[10.0] 8.0	[02,42N,01W] NE 02,41N,01W	Franklin	X	X		B	X		
[Creve Couer Lake] Creve Coeur Lake	L3	[300.0] 327.0	20,46N,05E	St. Louis	X	X		B	X		
[Crooked Creek Lake]	[L3]	[3.0]	[07,36N,04W]	[Crawford]	[X]	[X]		[B]			
Crowder St. Park Lake	L3	18.0	12,61N,25W	Grundy	X	X		A			
Crystal Lake	L3	122.0	NW SW32,53N,29W	Ray	X	X		A	X		X
Cut-off Lake	L3	[80.0] 148.5	01,12,57N,36W	Buchanan	X	X		B			
Cut-off Lake	L3	674.0	26,27,34,35,53N,19W	Chariton	X	X		B			
Dearborn Reservoir	L1	7.0	31,55N,34W	Buchanan	X	X		B	X	X	
Deer Ridge Community Lake	L3	[48.0] 39.0	18,62N,08W	Lewis	X	X		B	X		
Dexter City Lake	L3	11.0	[21,25N,10E] 22,25N,10E	Stoddard	X	X		B			
[Downing Lake] Downing Reservoir	L1	[18.0] 22.9	[SW NE17,66N,13W] SW SE17,66N,13W	Schuyler	X	X		B			X
[Drexel Lake #1] Drexel Lake	L1	28.0	[32,43N,33W] 6, 42N,33W	Bates	X	X		B			X
[Drexel Lake #2] Drexel City Reservoir South	L1	51.0	[SW NE06,42N,33W] 7,42N,33W	Bates	X	X		B			X
Duck Creek	L3	[1,773.0] 1,730.0	[SW SW31,28N,09E] 31,28N,09E; 5, 27N, 9E	Wayne	X	X		B	X		
[E A Pape Lake (Concordia)] Edwin A Pape Lake	L1	[245.0] 272.5	20,48N,24W	Lafayette	X	X		B	X	X	
Eagleville Lake	L1	40.0	33,66N,27W	Harrison	X	X		A	X	X	
Edina Lake	L1	[11.0] 9.0	07,62N,11W	Knox	X	X		B	X	X	
Edina Reservoir	L1	51.0	12,62N,11W	Knox	X	X		B	X	X	
Ella Ewing Community Lake	L3	15.0	21,64N,10W	Scotland	X	X		A			
Elsie Lake	L3	[20.0] 17.0	30,37N,02E	Washington	X	X		A	X		

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Ethel Lake	L1	23.0	NE NW36,59N,17W	Macon	X	X		B		X	
[Farmington City Lake] Hager Lake	L3	[8.0] 9.0	SUR 2969,35N,05E	St. Francois	X	X		B			
Fawn Lake	L3	[50.0] 26.0	13,43N,02W	Franklin	X	X		B	X		
[Fayette Lake #1] Davis Lake	L3	[10.0] 44.0	NE NW15,50N,16W	Howard	X	X		B			
[Fayette Lake #2] Peters Lake	L3	[60.0] 62.0	NW NW4,50N,16W	Howard	X	X		B	X		
[Fayette Lake #3 (Rogers)] D.C. Rogers Lake	L1	[185.0] 195.0	NW NW10,50N,16W	Howard	X	X		B	X	X	
Fellows Lake	L1	[820.0] 800.0	NW NE22,30N,21W	Greene	X	X		A	X	X	
Finger Lakes	L3	[50.0] 118.0	[SW30,50N,12W] 19,30,31,50N,12W,24,25,36,50N13W	Boone	X	X		A			
Flight Lake	L3	100.0	26,36N,32W	Vernon	X	X		B			
Fond du Lac, Lake	L3	[33.0] 24.0	SUR 3011,43N,05E	Jefferson	X	X		A	X		
Forest Lake	L1	[573.0] 580.0	SE SW14,62N,16W	Adair	X	X		A		X	
Forest, Lake	L3	[90.0] 81.0	[36,38N,07E] SUR 2046,38N,07E	Ste. Genevieve	X	X		B			
[Fort Westside Lake] Klontz Lake	L3	[27.0] 14.0	02,39N,04W	Crawford	X	X		A	X		
Fountain Grove Lakes	L3	[0.0] 1,366.3	35,57N,22W	Linn	X	X		B	X		
Fourche Lake	L3	49.0	22,23N,01W	Ripley	X	X		A	X		
Fox Valley Lake	L3	[108.0] 89.0	27,66N,08W	Clark	X	X		B	X		
Foxboro Lake	L3	[25.0] 22.0	14,42N,04W	Franklin	X	X		B	X		
Fredricktown City Lake	L1	[158.0] 80.0	[SE SE06,33N,07E] 06,33N,07E	Madison	X	X		B		X	
Freeman Lake	L1	13.0	SW SW18,44N,32W	Cass	X	X		B		X	
[Frontier Lake] Eagle Sky Lake	L3	62.0	NW NW35,30N,04E	Wayne	X	X		B	X		
Garden City Lake	L1	[22.0] 26.0	31,44N,29W	Cass	X	X		B		X	
Garden City New Lake	L1	[46.0] 39.0	NW18,43N,29W	Cass	X	X		B		X	
Gerald City Lake	L3	5.0	12,42N,04W	Franklin	X	X		B			
Girardeau, Lake	L3	[162.0] 144.0	SW SW09,30N,11E	Cape Girardeau	X	X		B	X		
[Glaus Lake] Raymond Claus Lake	L3	[30.0] 8.7	[17,27N,11E] SE SE17,27N,11E	Stoddard	X	X		B			
Glover Spring Lake	L3	[80.0] 23.0	13,47N,09W	Callaway	X	X		B			
Golden Eagle Lake	L3	[141.0] 105.0	SE SW16,48N,04W	Montgomery	X	X		B			
Goose Creek Lake	L3	[62.0] 308.3	[NW NW26,38N,06E] NW NW25,38N,06E	[St. Francois] Ste. Genevieve/St. Francois	X	X		A	X		
Gopher Lake	L3	[42.0] 38.0	23,47N,31W	Jackson	X	X		B	X		
Gower Lake	L1	[14.0] 11.0	[03,55N,33W] 10,55N,33W	Clinton	X	X		B		X	
Green City Lake	L1	57.0	SE NE16,63N,18W	Sullivan	X	X		B		X	
Green City Lake (Old)	L1	60.0	SE18,63N,18W	Sullivan	X	X		A		X	
Hamilton Lake	L1	80.0	SW SW15,57N,28W	Caldwell	X	X		B	X	X	
Harmony Mission Lake	L3	96.0	15,38N,32W	Bates	X	X		B	X		
Harrison County Lake	L1	280.0	17/30,65N,28W	Harrison	X	X		B		X	
[Harrisonville City Lake] City Lake, Harrisonville	L1	[20.0] 28.0	34,45N,31W	Cass	X	X		B	X	X	
[Harrisonville, Lake] Harrisonville City Lake	L1	[385.0] 419.0	SW SW26,46N,31W	Cass	X	X		B	X	X	
Hazel Creek Lake	L1	[151.0] 453.0	SW SW31,64N,15W	Adair	X	X		B		X	
Hazel Hill Lake	L3	[71.0] 62.0	[28,47N,26W] 27,47N,26W	Johnson	X	X		B	X		
[Hematite (Bismarck) Lake] Carl DiSalvo Lake	L3	210.0	SW NE19,35N,04E	St. Francois	X	X		B	X		
Henke Lake	L3	70.0	SE SE20,46N,09W	Callaway	X	X		B			
Henry Sever Lake	L3	158.0	NE NE14,60N,10W	Knox	X	X		A	X		
Hermit Hollow Lake	L3	[10.0] 8.0	29,44N,02E	Franklin	X	X		B	X		

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[Herring Lake] Paul Herring Lake	L3	[50.0] 44.0	NW SW17,46N,09W	Callaway	X	X		B			
Higbee Lake	L1	[15.0] 13.0	SE SW09,52N,14W	Randolph	X	X		B		X	
[Higginsville N. Lake] Higginsville Reservoir (North)	L1	[40.0] 47.0	[NW SW09,49N,25W] NE SW04,49N,25W	Lafayette	X	X		B	X	X	
[Higginsville S. Lake] Higginsville Reservoir (South)	L1	[223.0] 147.1	SW NE09,49N,25W	Lafayette	X	X		B	X	X	
HiPoint Lake	L3	3.0	24,39N,01E	Washington	X	X		B			
Holden Lake	L3	11.0	12,45N,28W	Johnson	X	X		B	X		
Holden Lake	L3	11.0	07,45N,27W	Johnson	X	X		B			
[Holden Lake (New)] Holden City Lake	L1	[380.0] 290.2	29,46N,28W	Johnson	X	X		B	X	X	
Holiday Acres Lake	L3	[250.0] 206.1	SE SW17,55N,14W	Randolph	X	X		B			
[Holiday Shores Lake] Wing Lake	L3	[47.0] 19.9	[12,36N,03E] NW SW 14, 35N,03E	Washington	X	X		A	X		
Horseshoe Lake	L3	[80.0] 56.0	15,56N,36W	Buchanan	X	X		B			
Hough Park Lake	L3	[7.0] 10.0	19,44N,11W	Cole	X	X		B			
Houston Lake	L3	[22.0] 16.0	NW 33,51N,33W	Platte	X	X		A	X		
[Howell Mill Lake] Howell Mill Lakes	L3	[35.0] 97.0	17,36N,01E	Washington	X	X		A	X		
HS Truman Lake	L2	55,600.0	[07,40N,23W] 07,40N,22W	Benton	X	X		A	X	X	
Hunnewell Lake	L3	228.0	NW SW25,57N,09W	Shelby	X	X		B	X		
Hurdland Sever Lake	L3	[16.0] 13.0	[36,62N,13W] 1,61N,13W	Knox	X	X		A	X		
[Indian Creek Lake] Indian Creek Community Lake	L3	[192.0] 185.0	15,27,59N,25W	Livingston	X	X		B	X		
[Indian Hills Lake] Indian Lake	L3	[326.0] 279.0	22,15,23,39N,05W	Crawford	X	X		A	X		
[Innsbrook Lake] Lucern, Lake	L3	[51.0] 41.0	[NW SE06,46N,01W] NE SE06,46N,01W	Warren	X	X		[B]A			
Iron Mtn Lake	L3	[114.0] 79.0	SE SW32,35N,04E	St. Francois	X	X		B	X		
[Ironton Shepard Mountain Lake] Shepard Mountain Lake	L1	21.0	01,33N,03E	Iron	X	X		B	X	X	
Izaak Walton Lake	L3	[7.0] 11.0	32,36N,31W	Vernon	X	X		B	X		
Jackass Bend	L3	200.0	32,28,21-19,51N,29W	Ray/Jackson	X	X		B	X		X
Jackrabbit Lake	L3	[31.0] 25.0	15,47N,31W	Jackson	X	X		B	X		
[Jacomo Lake] Jacomo, Lake	L3	[970.0] 998.0	NE NW11,48N,31W	Jackson	X	X		A	X		
[Jamesport City Reservoir] Jamesport City Lake	L1	[24.0] 16.0	22,60N,26W	Daviess	X	X		B		X	
Jamesport Community Lake	L1	[30.0] 27.0	NE 20,60N,26W	Daviess	X	X		A	X	X	
Jasper Lake	L3	[35.0] 43.0	[13,60N,06W] 12,60N,06W	Lewis	X	X		A	X		
Junge's Lake	L3	[40.0] 37.0	10,41N,21W	Benton	X	X		A	X		
[Kahrs Boger Lake] Kahrs-Boger Park Lake	L3	[5.0] 2.0	15,44N,20W	Pettis	X	X		B	X		
[KC Angler's Club Lake] Loch Leonard	L3	[25.0] 27.0	SE18,46N,30W	Cass	X	X		B	X		
[KC Southern Lake] Lisle Pond	L3	[28.0] 22.0	05,43N,33W	Cass	X	X		B	X		
[Kellogg City Lake] Kellogg Lake	L3	[25.0] 22.0	34,29N,31W	Jasper	X	X		A	X		
Killarney, Lake	L3	[105.0] 61.0	NW NW01,33N,04E	Iron	X	X		A	X		
[King City Lake] King City New Reservoir	L1	[34.0] 25.4	28,61N,32W	Gentry	X	X		B		X	
[King City Lake] King City Old Reservoir	L1	12.0	SW NE28,61N,32W	Gentry	X	X		B		X	

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WATER BODY	CLASS	ACRES	LOCATION	COUNTY(IES)	LWW	AQL	CDF	WBC	SCR	DWS	IND
King City Lake (South)	L1	[32.0] 29.0	SW SW34,61N,32W	Gentry	X	X		B		X	
King Lake	L3	[231.0] 204.0	[12-13,60N,31W] 13,60N,32W	Dekalb	X	X		A	X	X	
Kiwanis Lake	L3	4.0	SW23,51N,9W	Audrain	X	X		B			
Knob Noster St. Park Lakes	L3	24.0	29/30,46N,24W	Johnson	X	X		B			
L. Prairie Comm. Lake	L3	[100.0] 95.0	SE SE21,38N,7W	Phelps	X	X		B	X		
La Plata Lake (New)	L1	81.0	NW 14,60N,14W	Macon	X	X		B		X	
La Plata Lake (Old)	L1	[19.0] 22.0	09,60N,14W	Macon	X	X		B		X	
Labelle Lake #1	L1	[17.0] 18.0	16,61N,09W	Lewis	X	X		B	X	X	
Labelle Lake #2	L1	[112.0] 98.0	NW NE16,61N,09W	Lewis	X	X		B	X	X	
[Lacawana, Lake] Lacawanna, Lake	L3	10.0	[13,38N,05E] SE SE 11,38N,05E	St. Francois	X	X		B	X		
[Lahweena, Lake] Lochaweenno, Lake	L3	[60.0] 39.0	24,47N,08W	Callaway	X	X		A	X		
[Lakeview Lake] Lakeview Park Lake	L3	25.0	SW35,51N,09W	Audrain	X	X		B			
[Lakewood Lake] Lakewood Lakes	L3	[107.0] 279.0	[NE NE07,48N,31W] NE NE07,48N,31W & SW SW 5, 48N, 31W	Jackson	X	X		A	X		
[Lamar City Lake] Lamar Lake	L1	[180.0] 148.0	SW NW32,32N,30W	Barton	X	X		B		X	
[Lamine C.A. Lakes] Lamine River C.A. Lakes	L3	[17.0] 37.0	[2-11-22-27,46N,19W] 25,26,27,36,46N,19W; 2,11,45N,19W; 7,18,45N,18W.	[Cooper] Cooper/Morgan	X	X		B	X		
Lancaster City Lake (New)	L1	56.0	23,66N,15W	Schuyler	X	X		B		X	
Lancaster Lake (Old)	L1	[10.0] 23.0	SW NE14,66N,15W	Schuyler	X	X		B		X	
Lawson City Lake	L1	25.0	31,54N,29W	Ray	X	X		A	X	X	
Leisure Lake	L3	[50.0] 38.0	NE SE05,61N,25W	Grundy	X	X		A			
Leisure Lake	L3	[60.0] 45.0	33,48N,08W	Callaway	X	X		A	X		
[Lewis County #1 Lake (Ewing)] Ewing Lake	L1	43.0	06,60N,07W	Lewis	X	X		B	X	X	
Lewis Lake	L3	[10.0] 6.0	[10,26N,11E] SE, NE 10,26N,11E	Stoddard	X	X		B			
Lewistown Lake	L1	[29.0] 35.0	NW SW08,61N,08W	Lewis	X	X		B	X	X	
Liberty Park Lake	L3	[2.0] 1.0	[05,45N,21W] 04,45N,21W	Pettis	X	X		B			
[Limpp Lake] Limpp Community State Lake	L3	[30.0] 27.0	29,61N,32W	Gentry	X	X		B	X		
[Lincoln Lake-Cuivre River S.P.] Lincoln, Lake (Cuivre River S.P.)	L3	88.0	SW SE08,49N,01E	Lincoln	X	X		A	X		
Linneus Lake	L1	[15.0] 17.0	NE SW36,59N,21W	Linn	X	X		B	X	X	
Lions Lake	L3	[10.0] 11.0	16,44N,01W	Franklin	X	X		B	X		
Lions Lake	L3	[5.0] 8.0	[26,46N,26W] SW SE 26,46N,26W	Johnson	X	X		B	X		
Little Compton Lake	L3	[40.0] 36.0	29/32,55N,21W	Carroll	X	X		B	X		
Little Dixie Lake	L3	[205.0] 176.0	SW SE26,48N,11W	Callaway	X	X		B	X		
Loggers Lake	L3	[25.0] 21.0	10,15,31N,03W	Shannon	X	X		A	X		
Lone Jack Lake	L3	[35.0] 31.0	[14,47N,30W] 11,47N,30W	Jackson	X	X		B	X		
Lone Tree Lake	L3	[22.0] 21.0	[15,46N,6W] N NE15,46N,6W	Montgomery	X	X		B	X		
Long Branch Lake	L2	[2,430.0] 2,686.0	NW18,57N,14W	Macon	X	X		A	X	X	
Long Lake	L3	10.0	[03,25N,12E] NW NW 03,25N,12E	Stoddard	X	X		B			
Longview Lake	L2	[930.0] 953.0	04,47N,32W	Jackson	X	X		A	X		
Lorraine, Lake	L3	[70.0] 37.0	[01,12,41N,04E] SUR 1970, 41N,04E	Jefferson	X	X		A	X		

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Lost Valley Lake	L3	[50.0] 37.0	SE NE17,43N,04W	Gasconade	X	X		A	X		
Lotawana, Lake	L3	[600.0] 487.0	SE SE29,48N,30W	Jackson	X	X		A	X		
Lower Taum Sauk Lake	L3	200.0	33,33N,02E	Reynolds	X	X		B	X		
Lucky Clover Lake	L3	[35.0] 20.0	20,38N,04W	Crawford	X	X		A	X		
[Luna Lake] Luna, Lake	L3	17.0	[SE 34,45N,31W] NE 4,44N,31W	Cass	X	X		B	X		
Mac Lake (Ziske)	L3	[30.0] 28.0	[17,34N,05W] SW NE 17,34N,05W	Dent	X	X		B	X		
Macon Lake	L3	[200.0] 189.0	SE NW17,57N,14W	Macon	X	X		B			X
Malta Bend Comm. Lake	L3	[40.0] 4.0	25,51N,23W	Saline	X	X		B	X		
Manito Lake	L3	77.0	08,09,44N,17W	Moniteau	X	X		B	X		
Maple Leaf Lake	L3	[140.0] 127.0	04,48N,26W	Lafayette	X	X		B	X		
Marais Temps Clair	L3	[500.0] 725.7	[19,48N,06E] 19,48N,06E and 24,48N,5E	St. Charles	X	X		B	X		
Marceline City Lake (New)	L1	200.0	SW SE14,56N,19W	Chariton	X	X		B			X
Marceline Reservoir	L1	[81.0] 68.0	[NW SW 28,57N,18W] SE 28,57N,18W	Linn	X	X		B			X
Marie, Lake	L3	60.0	NE NW 36,66N,24W	Mercer	X	X		A			
Mark Twain Lake	L2	[18,600.0] 18,132.0	26,55N,07W	Ralls	X	X		A	X	X	
Marshall Habilitation Center Lake	L3	[12.0] 10.0	11,50N,21W	Saline	X	X		B	X		
Martin Lakes	L3	[30.0] 17.0	11,26N,11E	Stoddard	X	X		B			
Maysville Lake	L1	27.0	[SE SE33,59N,31W] NE NE Sec 4, 58N,31W	Dekalb	X	X		B	X	X	
Maysville Lake	L1	12.0	NW NE03,58N,31W	Dekalb	X	X		B	X	X	
[Maysville Lake #3] Willow Brook Lake	L1	53.0	[NE 04,58N,13W] SE NE04,58N,13W	Dekalb	X	X		B		X	
[McCormick Lake] McCormack Lake	L3	[11.0] 9.0	[08,09,25N,04W] NW SW 24,25N,04W	Oregon	X	X		A	X		
McDaniel Lake	L1	[300.0] 218.0	NE SE26,30N,22W	Greene	X	X		B			X
McGinness, Lake	L3	50.0	NW20,55N,30W	Clinton	X	X		B			
[McKay Park Lake] Sunset Lake	L3	6.0	13,44N,12W	Cole	X	X		B			
Melody Lake	L3	[35.0] 32.0	[15,42N,03W] 27,42N,03W	Franklin	X	X		A	X		
[Memphis Lake #1] Memphis Reservoir	L1	39.0	NE NE14,65N,12W	Scotland	X	X		B			X
[Memphis Lake #2] Lake Showme	L1	[250.0] 214.0	15,65N,12W	Scotland	X	X		B			X
[Mercer Lake] Berndt Lake	L1	21.0	NE SW30,66N,23W	Mercer	X	X		B			X
Middle Fork Water Comp.	L1	[170.0] 103.0	NW SW06,63N,31W	Gentry	X	X		B	X	X	
[Milan Lake (New)] Milan Lake South	L1	[15.0] 37.0	SE SE,02,62N,20W	Sullivan	X	X		B		X	
[Milan Lake (Old)] Milan Lake North	L1	13.0	SE SE02,62N,20W	Sullivan	X	X		B			X
[Milan Lake Elmwood] Elmwood City Lake	L1	[235.0] 197.0	[NE NE35,63N,20W] NW 35,63N,20W	Sullivan	X	X		B			X
Mineral Lake	L3	[20.0] 8.0	01,42N,03W	Franklin	X	X		B	X		
[Mingo Lakes] Monopoly Lake	L3	1,045.0	30,27N,08E	[Stoddard] Stoddard/Wayne	X	X		B	X		
[Moberly Park Lake] Rothwell Lake (Moberly Park Lake)	[L1]L3	[35.0] 27.0	SE NE03,53N,14W	Randolph	X	X		B	X	[X]	
[Moberly Rothwell Lake] Water Works Lake	[L3]L1	[25.0] 22.0	[03,53N,14W] NE SE 03,53N,14W	Randolph	X	X		B	X	X	
Monroe City Lake	L1	94.0	SW,NE,34,56N,07W	Ralls	X	X		A	X	X	
Monroe City Lake A	L1	17.0	NW NW13,56N,08W	Monroe	X	X		B		X	

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Monroe City Lake B	L1	55.0	30,56N,07W	Monroe	X	X		B	X	X	
[Montonese Lake] Montowese, Lake	L3	[45.0] 39.0	27,43N,04E	Jefferson	X	X		A	X		
Montrose Lake	L3	[1,568.0] 1,444.0	NE NW33,41N,27W	Henry	X	X		B			X
Mozingo Lake	L1	[1,000.0] 898.0	[19,65N,34W] 13,64N,35W	Nodaway	X	X		B	X	X	
[Mud Lake] Old Mud Lake	L3	[100.0] 126.0	[16,18,20,56N,36W] 16,20,21, 56N,36W	Buchanan	X	X		B			
[Nehai Tonkayea Lake] Nehai Tonkayea, Lake	L3	[149.0] 228.0	NW NE11,55N,18W	Chariton	X	X		A			
[Nell Lake] Nell, Lake	L3	[31.0] 24.0	[15,47N,31W] 22,47N,31W	Jackson	X	X		B	X		
New Cambria Lake	L1	[7.0] 9.0	SW NE07,57N,16W	Macon	X	X		B			X
[Niangua Lake]	L3	[360.0] 256.0	[35,37N,18W]	Camden	X	X		A	X		
Niangua, Lake			19,37N,17W								
Nims Lake	L3	[253.0] 251.0	[SW SW24,34N,06E] SW NW24,34N,06E	[Madison] Madison/St. Francois	X	X		A			
Noblett Lake	L3	26.0	25,26N,11W	Douglas	X	X		A			
Nodaway Lake	L3	73.0	SW NE20,65N,35W	Nodaway	X	X		B	X		
Norfolk Lake	L2	1,000.0	21N,12W	Ozark	X	X		A	X		
North Lake	L3	[51.0] 19.0	[NW NE28,45N,31W] SW NE28,45N,31W	Cass	X	X		B	X		
North Sever Lake	L3	[20.0] 12.5	[20,63N,13W] 20,63N,11W	Knox	X	X		B	X		
[Northwoods, Lake] Northwood, Lake	L3	[120.0] 77.0	SE NE33,43N,05W	Gasconade	X	X		A			
Oaks, Lake of the	L3	53.0	SE SW07,63N,06W	Clark	X	X		A	X		
O'Brian Lake	L3	50.0	NW NW19,47N,01E	[St. Charles] St. Charles/Warren	X	X		B			
Odessa Lake	L1	[90.0] 87.0	NW NE15,48N,28W	Lafayette	X	X		B	X	X	
Odessa Lake (Old)	L1	[19.0] 22.0	NW NW14,48N,28W	Lafayette	X	X		B		X	
Old Plattsburg Lake	L1	[20.0] 15.0	13,55N,32W	Clinton	X	X		B		X	
Opossum Hollow Lake	L3	[70.0] 63.0	SW NE29,39N,03W	Crawford	X	X		A	X		
[Oscie Ora Acres] Oscie Ora Acres Lake	L3	50.0	SE NW10,28N,33W	Jasper	X	X		B			
[Otter Slough] Otter Lake	L3	250.0	17,24N,09E	Stoddard	X	X		B	X		
Ozarks, Lake of the	L2	59,520.0	SE SE19,40N,15W	Camden	X	X		A	X		
Paho, Lake	L3	273.0	NE SE25,65N,25W	Mercer	X	X		B			
Painted Rock Lake	L3	[4.0] 5.0	11,42N,11W	Osage	X	X		B			
Palmer Lake	L3	[93.0] 102.0	22,36N,01E	Washington	X	X		A	X		
[Panther Creek C-2 Lake] Panther Creek D-1 Lake	L3	[20.0] 28.0	[32,65N,27W] 32,65N,26W	Harrison	X	X		B			
Parker Lake #1	L3	20.0	[NE SW32,35N,09E] SE SE 31,35N,09E	Perry	X	X		A			
Parker Lake #2	L3	80.0	NE SW32,35N,09E	Perry	X	X		A			
Parole Lake	L3	[35.0] 42.0	07,36N,01E	Washington	X	X		A	X		
[Peabody Wildlife Area Lake] Peabody Wildlife Area Lakes	L3	36.0	04/09,38N,32W	Bates	X	X		B	X		
Peaceful Valley Lake	L3	[170.0] 158.0	NE NE25,42N,06W	Gasconade	X	X		A			
Peculiar Lake	L1	25.0	SE SW22,45N,32W	Cass	X	X		B			X
Penn's Pond Lake	L3	[12.0] 8.0	06,34N,11W	Pulaski	X	X		B	X		
Perry C.A. Lakes	L3	[4.0] 16.4	[02,47N,24W] 28.33,34.36,48N,24W;30,4 8N,23W	Johnson	X	X		B	X		
Perry County Community Lake	L3	[103.0] 89.0	[SW NE22,35N,10E] SW NE22,35N,10E (SUR 856)	Perry	X	X		B			
[Perry Lake #1] City Lake #1 (Perry)	L1	[18.0] 16.0	NW NW34,54N,07W	Ralls	X	X		B			X
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[Perry Lake #2] City Lake #2 (Perry)	L1	7.0	NW34,54N,07W	Ralls	X	X		B		X	
[Pershing St. Park Lake] Pershing St. Park Lakes	L3	12.0	[11,57N,21W] 2,11,57N,21W	Linn	X	X		A			
Pike Lake	L3	[20.0] 17.0	02,59N,25W	Livingston	X	X		A	X		
Pinewoods Lake	L3	[30.0] 22.0	07,26N,03E	Carter	X	X		B	X		
Pinnacle Lake	L3	[130.0] 115.0	SE NE24,47N,05W	Montgomery	X	X		A			
Plattsburg 6 Mi. Lane Lk.	L3	57.0	SW SE11,55N,32W	Clinton	X	X		B		X	
Pleasant Hill Lake	L1	[115.0] 91.0	SW SE01,46N,31W	Cass	X	X		B	X	X	
Plover Lake	L3	[15.0] 14.0	15,47N,31W	Jackson	X	X		B	X		
[Poague Wildlife Area Lake] Poague C,A, Lakes	L3	[77.0] 80.0	[19,42N,26W] 19,30,42N,26W, 24,42N,27W	Henry	X	X		B	X		
Pomme de Terre Lake	L2	7,820.0	SW NE2,36N,22W	[Hickory] Hickory/Polk	X	X		A	X		
Pony Express Lake	L3	240.0	[NE 35,58N,31W] NE 33,58N,31W	Dekalb	X	X		A	X		
Port Hudson Lake	L3	[55.0] 48.0	16,43N,03W	Franklin	X	X		B	X		
Port Perry Lake	L3	[200.0] 155.0	NE SE08,34N,09E	Perry	X	X		B			
[Potosi Lake Village] Potosi Lake	L3	[40.0] 20.0	[27,37N,03E] SW NW 35,37N,03E	Washington	X	X		A	X		
Prairie Home C.A. Lakes	L3	[25.0] 20.0	[25,46N,15W] 4,5,6,46N,15W	Cooper/Moniteau	X	X		B		[X]	
Prairie Lee Lake	L3	[150.0] 144.0	[NE NW27,48N,31W] NE SW27,48N,31W	Jackson	X	X		A	X		
Primrose Lake	L3	[100.0] 33.0	23,38,04E	St. Francois	X	X		B	X		
[Proctor Park Lake] Railroad Lake	L3	[6.0] 8.0	34,45N,15W	Moniteau	X	X		B	X		
[Purko Lake] Perco Lakes	L3	[25.0] 21.7	[SW SE07,34N,10E] SW5, NW8 ,34N,10E	Perry	X	X		B			
Radio Springs Lake	L3	8.0	08,35N,31W	Vernon	X	X		B	X		
[Railroad Lake] C & A Lake	L3	[20.0] 39.0	25,51N,09W	Audrain	X	X		B			
[Raintree Lake] Raintree Plantation Lake	L3	[126.0] 115.0	[30,41N,04E] 29,41N,04E	Jefferson	X	X		A	X		
Raintree Lake	L3	[300.0] 248.1	06,46N,31W	Cass	X	X		A	X		
Ray County Community Lake	L3	[25.0] 23.0	13,52N,28W	Ray	X	X		A	X		
[Rice Lake] Rice Lake East	L3	[40.0] 11.0	09,27N,11E	Stoddard	X	X		B			
[Ridgeway (Rockhouse) Lake] Rock House Lake	L1	[67.0] 62.0	[SW SE36,65N,27W] NE SW 36,65N,27W	Harrison	X	X		A	X	X	
Rinquelin Trail Community Lake	L3	[30.0] 27.0	[NW29,39N,11W] NE 29,39N,11W	Maries	X	X		B	X		
[Ripley Co. Lake] Ripley Lake	L3	[20.0] 18.0	10,23N,01E	Ripley	X	X		A	X		
Riss Lake	L3	134.0	SW SW25,51N,33W	Platte	X	X		B	X		
Roach Lake	L3	[2.0] 106.0	30,57N,23W	Livingston	X	X		A	X		
Roby Lake	L3	[21.0] 10.0	34/35,33N,11W	Texas	X	X		A	X		
Rocky Fork Lake	L3	[53.0] 60.0	NW SE31,50N,12W	Boone	X	X		B			
Rocky Hollow Lake	L3	20.0	SE33,53N,30W	Clay	X	X		B	X		
		25.0	15,53N,17W	Chariton	X	X			X		
Salisbury City Lake (Pine Ridge Lake)	L3							B			
Savannah City Reservoir	L1	[17.0] 20.0	07,59N,35W	Andrew	X	X		A	X	X	
Sayersbrook Lake	L3	[70.0] 36.0	NE SE28,38N,01E	Washington	X	X		B			
[Schell-Osage W.A.-Levee 3] Schell Lake	L3	[461.0] 371.0	SE NE06,37N,28W	[St. Clair] St. Clair/Vernon	X	X		A	X		
[Schuman Park Lake] Frisco Lake	L3	5.0	[02,37N,08W] SE SE 02,37N,08W	Phelps	X	X		B			

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WATER BODY	CLASS	ACRES	LOCATION	COUNTY(IES)	LWW	AQL	CDF	WBC	SCR	DWS	IND
Schuyler Co. PWSD #1 Lake	L1	[29.0] 33.0	SE SE04,64N,015W	Schuyler	X	X		B		X	
Scioto Lake	L3	[3.0] 5.0	[29,38N,06W] NE NE 30,38N,06W	Phelps	X	X		B			
[Scrivner Lake] Winegar Lake	L3	8.0	18,43N,13W	Cole	X	X		B			
Sears Community Lake	L3	[19.0] 32.0	18,63N,19W	Sullivan	X	X		A	X		
[Seetal Lake] See Tal Lake	L3	[45.0] 11.0	[SE NW01,45N,05W] NW NW01,45N,05W	Gasconade	X	X		B			
[Sequiota Park Lake] Sequiota Park Lake	L3	3.0	09,28N,21W	Greene	X	X		B			
Serene, Lake	L3	59.0	NW NE03,42N,02E	Franklin	X	X		A	X		
Settles Ford C.A. Lakes	L3	[110.0] 968.0	[09-10,42N,29W] 33,43N,29W;4,5,8-10,15-1 8,42N,29W;13,42N,30W	Bates	X	X		B	X		
Seven Springs Lake	L3	[35.0] 18.0	23-24,36N,06W	Phelps	X	X		A	X		
Shawnee Lake (Turner)	L3	[17.0] 15.0	[17,34N,05W] SW NW 17,34N,05W	Dent	X	X		B	X		
Shelbina Lake	L1	45.0	NE SW20,57N,10W	Shelby	X	X		B	X	X	
Shelbyville Lake	L1	32.0	[SW SE19,58N,10W] SE SE19,58N,10W	Shelby	X	X		B	X	X	
Sherwood, Lake	L3	120.0	SW SE11,45N,01W	Warren	X	X		A			
Silver Lake	L3	[59.0] 54.0	SW SW16,46N,32W	Cass	X	X		B	X		
Silver Lake-Levee 3	L3	2,464.0	06,55N,20W	Chariton	X	X		B			
Sims Valley Community Lake	L3	[38.0] 42.0	17,20,27N,08W	Howell	X	X		A	X		
[Smithville City Lake] Helvey Park Lake	L1	[8.0] 11.0	26,53N,33W	Clay	X	X		B		X	
Smithville Lake	L2	7,190.0	E SW13,53N,33W	Clay	X	X		A	X	X	
Snow Hollow Lake	L3	[38.0] 31.0	26/27,34N,03E	Iron	X	X		B	X		
South Pool-Levee 3	L3	[1,151.0] 263.0	[35,56N,21W] 1,2,11,12,13,55N,21W	Chariton	X	X		B			
Spencer Lake	L3	[8.0] 7.0	NW19,66N,14W	Schuyler	X	X		B			
Spring Fork Lake	L1	178.0	NE SW21,44N,21W	Pettis	X	X		B	X	X	
Spring Lake	L3	[100.0] 87.0	[NW SW20,61N,16W] 10,61N,16W	Adair	X	X		A			
Springfield, Lake	L3	[360.0] 293.0	19,28N,21W	Greene	X	X		B	X		X
[Squaw Creek-Main Pool] Squaw Creek NWR Pools	L3	[615.0] 1,230.0	36,61N,39W	Holt	X	X		B			
[St. Clair #1 Lake] St. Clair #1, Lake	L3	[54.0] 52.0	SW SE02,41N,01W	Franklin	X	X		A	X		
[St. Joe Park Lakes] Monsanto Lake	L3	[70.0] 18.0	[20,21,36N,05E] 19, 20,36N,05E	St. Francois	X	X		A	X		
St. Louis, Lake	L3	[525.0] 444.0	[NE SW26,47N,02E] SUR 54 (NE SW26,47N,02E)	St. Charles	X	X		A			
Ste. Louise, Lake	L3	[87.0] 71.0	[SW SW27,47N,02E] SUR 929 (SW SW27,47N,02E)	St. Charles	X	X		A			
Sterling Price Community Lake	L3	[35.0] 23.0	17,53N,17W	Chariton	X	X		A	X		
Stockton Lake	L2	23,680.0 [60.0] 55.0	NE NE15,34N,26W [SW SE18,23N,08W]	Cedar Howell	X	X	X	A		X	
[Stokes Lake #1 (Arrowhead Lakes)] East Arrowhead Lake	L3		SE SE18,23N,08W 18,23N,08W	Howell	X	X	X		X		
[Stokes Lake #2 (Arrowhead Lakes)] West Arrowhead Lake	L3							B			
Strobel Lake	L3	[50.0] 33.0	[01,27N,09E] SW SW 01,27N,09E	Stoddard	X	X		B			
Sugar Creek Lake	L1	[346.0] 308.0	[NE SW16,54N,14W] NE SE16,54N,14W	Randolph	X	X		B		X	

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[Sugar Lake] Lewis & Clark Lake	L3	[317.0] 403.0	27,28,33,55N,37W	Buchanan	X	X		A	X		
Sullivan City Lake	L3	5.0	[17,40N,02W] NE NW 20,40N,02W	Crawford	X	X		B			
[Summerset Lake] Summerset & Fisherman's Lakes	L3	75.0	[NE SW15,39N,04E] SW15,39N,04E	Jefferson	X	X		A	X		
[Sunfish Lake (Spanish L Pk)] Sunfish Lake	L3	[34.0] 27.0	[47N,07E] SUR 3097, 155, 1840, 47N,07E	St. Louis	X	X		B	X		
Sunnen Lake	L3	[198.0] 206.0	SW SE04,37N,01E	Washington	X	X		A			
[Sunrise Lakes] Sunrise Lake	L3	[46.0] 21.0	[36,39N,04E] NE SW 36,39N,04E	Jefferson	X	X		A	X		
Sunset Lake	L3	[60.0] 50.2	NW SE33,39N,07E	Ste. Genevieve	X	X		B			
Sunshine Lake	L3	500.0	19,29,32,51N,27W	Ray	X	X		A	X		X
Swan Lake-Levee 5	L3	1,425.0	10,55N,21W	Chariton	X	X		B			
[Swiss Lake Development Lake] Boggs Lake	L3	[40.0] 32.0	21-28,44N,05W	Gasconade	X	X		B	X		
Table Rock Lake	L2	[43,100.0] 41,747.0	SW NW22,22N,22W	Stone	X	X		A	X		
Taneycomo, Lake	L2	[1,730.0] 2,118.6	SW NE8,23N,20W	Taney	X	X	X	A	X	X	
Tapawingo, Lake	L3	[76.0] 83.0	NE NE34,49N,31W	Jackson	X	X		A	X		
Tarsney Lake	L3	17.0	SE SE22,48N,30W	Jackson	X	X		A	X		
[Tea Lake] Tea Lake #1	L3	25.0	08,41N,04W	Gasconade	X	X		B	X		
Teal Lake	L3	[76.0] 84.0	NE SW36,51N,09W	Audrain	X	X		B	X		
Tebo Freshwater Lake	L3	[300.0] 250.0	SW SW25,43N,25W	Henry	X	X		B			
Ten Mile Pond	L3	70.0	07,04,03,24N,16E	Mississippi	X	X		B			
Terre Du Lac Lakes	L3	[190.0] 371.4	[18,19,37N,04E] (18,19,20,28,29,30,31)37N, 4E,25,37N,3E	St. Francois	X	X		A	X		
Thomas Hill Reservoir	L2	4,400.0	NE SE24,55N,16W	Randolph	X	X		A		X	X
Thunderbird, Lake	L3	[45.0] 33.0	[06,41N,01E] NE,NW 5,41N,01E	Franklin	X	X		A	X		
[Timberline Lake] Lane Lake	L3	[13.0] 10.0	32,37N,01W	Washington	X	X		A	X		
Timberline Lakes	L3	[119.0] 51.0	23,24,38N,04E	St. Francois	X	X		A	X		
[Timberridge, Lake] Timber Ridge, Lake	L3	[50.0] 35.0	[20,43N,06W] SW SE 16,43N,06W	Gasconade	X	X		A	X		
Tishomingo, Lake	L3	115.0	[NE SE5,41N,04E] NE SE5,41N,04E (SUR 3027)	Jefferson	X	X		A	X		
[Tobacco Hills, Lake] Tobacco Hills Lake	L3	[17.0] 16.0	NW11,53N,35W	Platte	X	X		B	X		
		[5.0] 4.0	[09,54N,08W]	Monroe	X	X					
[Tom Sawyer Lake (Mk. Twain SP)] Tom Sawyer, Lake (Mark Twain SP)	L3		04,54N,08W					A			
[Torino Lake] Torino, Lake	L3	[10.0] 7.0	20,42N,02E	Franklin	X	X		B	X		
[Trenton Lower Lake] Trenton, Lake (Lower)	L1	103.0	[NE SE15,61N,24W] SW 15,61N,24W	Grundy	X	X		B		X	
[Trenton Upper Lake] Trenton, Lake (Upper)	L1	68.0	NE SE15,61N,24W	Grundy	X	X		B		X	
Twin Borrow Pits	L3	[18.0] 44.0	[13,19N,13E] 13,20N,13E	Pemiscot	X	X		B	X		
Twin Lake	L3	[70.0] 49.0	NW NW31,66N,23W	Mercer	X	X		B			
[Twin Lake] Twin Lakes	L3	[18.0] 22.9	SW SW,22,48N,13W	Boone	X	X		[B]A	X		

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<i>[Tywappity Community Lake]</i> Tywappity, Lake	L3	<i>[55.0]</i> 43.0	SW SE08,29N,13E	Scott	X	X		A			
Union City Lake	L3	5.0	27,43N,01W	Franklin	X	X		B			
<i>[Unionville (New) Lake]</i> Unionville Reservoir	L3	<i>[70.0]</i> 74.0	27,66N,19W	Putnam	X	X		B			
Unionville (Old) Lake	L1	<i>[15.0]</i> 13.0 <i>[1,015.0]</i> 859.0	34,66N,19W NE NE15,66N,19W	Putnam Putnam	X X	X X		A	X X	X X	
<i>[Unionville Lake (Thunderhead, Lake)]</i> Thunderhead, Lake	L1							A			
Unity Village Lake #1	L1	<i>[15.0]</i> 16.0	25,48N,32W	Jackson	X	X		B	X	X	
Unity Village Lake #2	L1	<i>[23.0]</i> 26.0	24,48N,32W	Jackson	X	X		B	X	X	
<i>[Upper Big Lake]</i> Robert G. Delaney Lake	L3	110.0	<i>[25,27N,16E]</i> 30,27N,16E	Mississippi	X	X		B			
Valle Lake	L3	<i>[100.0]</i> 42.0	31,39N,05E	Jefferson	X	X		A	X		
Van Meter St. Park Lake	L3	8.0	24,52N,22W	Saline	X	X		A	X		
Vandalia Community Lake	L3	<i>[44.0]</i> 35.0	SE35,52N,06W	Audrain	X	X		B			
<i>[Vandalia Lake]</i> Vandalia Reservoir	L1	<i>[37.0]</i> 28.0	NE NE12,53N,05W	Pike	X	X		B	X	X	
Viking, Lake	L1	<i>[550.0]</i> 552.0	09,59N,28W	Daviess	X	X		A	X	X	
Wahoo Lake	L3	<i>[25.0]</i> 10.0	14,38N,04E	St. Francois	X	X		B	X		
Wakonda Lake	L3	78.0	<i>[NW NE13,60N,06W]</i> 13,14,60N,06W	Lewis	X	X		A	X		
<i>[Wallace SP Lake]</i> Allaman, Lake	L3	6.0	NE 24,56N,30W	Clinton	X	X		A	X		
Walt Disney Lake	L3	<i>[18.0]</i> 19.0	<i>[05,57N,18W]</i> 31,57N,18W	Linn	X	X		A			
Wanda Lee, Lake	L3	<i>[220.0]</i> 97.0	<i>[02,37N,70E]</i> SUR 884, 37N, 7E	Ste. Genevieve	X	X		A			
<i>[Wapappello, Lake]</i> Wappapello, Lake	L2	8,200.0	<i>[SE NE3,26N,03E]</i> SE NE3,26N,07E	<i>[Wayne]</i> Wayne/Butler	X	X		A	X		
Watkins Mill Lake	L3	<i>[126.0]</i> 87.0	NW 22,53N,30W	Clay	X	X		A	X		
Waukomis Lake	L3	<i>[82.0]</i> 76.0	<i>[NE NW17,51N,33W]</i> SW 17,51N,33W	Platte	X	X		A	X		
Wauwanoka, Lake	L3	<i>[86.0]</i> 93.0	SE NW01,40N,04E	Jefferson	X	X		A	X		
Weatherby Lake	L3	<i>[194.0]</i> 185.0	SW SE15,51N,34W	Platte	X	X		A	X		
<i>[Wellsville Lake]</i> Wellsville City Lake	L1	<i>[10.0]</i> 12.0	<i>[33,50N,06W]</i> NW SE 33,50N,06W	Montgomery	X	X		<i>[B]</i> A		X	
<i>[Wellsville Quarry]</i> Sportsman Lake	L1	<i>[1.3]</i> 7.0	NE SE,04,49N,06W	Montgomery	X	X		B		X	
<i>[Whetstone Creek W.A. Lake]</i> Whetstone Creek C.A. Lakes	L3	<i>[26.0]</i> 62.0	<i>[08,48N,07W]</i> 5,6,8,9,48N,07W; 31,32,49N 7W	Callaway	X	X		B	X		
Whispering Valley Lakes	L3	30.0	<i>[02,43N,03W]</i> 35,44N,03W	Franklin	X	X		A	X		
<i>[White Area Lake (Lake Whiteside)]</i> Whiteside, Lake (White Memorial SWA)	L3	28.0	SW SUR 1686,51N,01W	Lincoln	X	X		B	X		
Wildwood Lake	L3	17.0	NE 09,48N,32W	Jackson	X	X		B			
Willow Lake	L3	29.0	27-34,34N,32W	Vernon	X	X		B	X		
Willowwood Lake	L3	<i>[100.0]</i> 45.0	<i>[35,48N,05E]</i> 26 & 35,48N,05E	St. Charles	X	X		B	X		
Windsor City Lake	L3	<i>[20.0]</i> 16.0	06,43N,23W	Pettis	X	X		B			
Winnebago, Lake	L3	<i>[350.0]</i> 272.0	NE NW09,46N,31W	Cass	X	X		A	X		
<i>[Wolf Bayou]</i> Wolf Bayou, Mud Bayou	L3	<i>[35.0]</i> 37.0	04,19N,13E	Pemiscot	X	X		B	X		
Woods, Lake of the	L3	3.0	<i>[NE 02,48N,12W]</i> NE SW 02,48N,12W	Boone	X	X		B			
<i>[Worth County Lake]</i> Worth County Community Lake	L3	<i>[20.0]</i> 17.0	<i>[29,32,65N,32W]</i> 32,65N,32W	Worth	X	X		B	X		
Wyaconda Lake	L1	<i>[8.0]</i> 9.0	NW NW33,65N,09W	Clark	X	X		B	X	X	

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TABLE H-STREAM CLASSIFICATIONS AND USE DESIGNATIONS

WATER BODY	CLASS	MILES	FROM	TO	COUNTY	COUNTY 2	IRR	LWW	AQL	CLF	CDF	WBC	SCR	DWS	IND
AB Cr.	C	[3.0] 4.2	Mouth	32,37N,18W	Dallas	Camden		x	x					B	
Ackerman Ditch	C	[13.0] 14.1	Mouth	24,24N,6E	Butler		x	x	x					B	
Agee Cr.	C	[4.5] 4.8	Mouth	24,61N,34W	Andrew			x	x					B	
Alder Br.	C	[3.5] 4.7	2,34N,26W	5,34N,25W	Cedar			x	x					B	
Alder Cr.	C	[10.0] 11.4	Mouth	21,35N,28W	Cedar			x	x					B	
Allen Br.	P	[1.5] 1.8	Mouth	22,37N,1E	Washington			x	x					B	
Allen Br.	C	1.5	22,37N,1E	34,37N,1E	Washington			x	x					B	
Allen Br.	C	[2.6] 3.0	Mouth	[05,35N,05E] 05,34N,05E	St. Francois			x	x					B	
Alley Br.	P	[1.0] 1.5	Mouth	25,29N,5W	Shannon			x	x					B	
Alley Br.	C	[2.0] 2.6	25,29N,5W	22,29N,5W	Shannon			x	x					B	
Allie Cr.	C	[3.0] 2.6	Mouth	1,33N,10E	Cape Girardeau	Bollinger		x	x					B	
Anderson Br.	C	1.0	Mouth	31,45N,20W	Pettis			x	x					B	
Anderson Cr.	C	1.9	Mouth	31,33N,09W	Texas			x	x					B	
[Andrew Br.] Andrews Br.	C	[1.0] 1.8	Mouth	Sur 3062,37N,6E	St. Francois			x	x					B	
Anthony Br.	P	0.5	Mouth	6,22N,5W	Oregon			x	x					B	
Antire Cr.	P	[1.5] 1.9	Mouth	[33,44N,4E] 34,44N,4E	St. Louis			x	x					B	
Apple Cr.	P	[44.0] 44.8	Mouth	[16,34N,10E] 21,34N,10E	Perry			x	x				A	x	x
Apple Cr.	C	[1.5] 1.7	16,34N,10E	[Hwy. 51] 18,34N,10E	Perry			x	x					B	
Arapahoe Cr.	C	8.0	Mouth	11,61N,36W	Andrew			x	x					B	
Archer Cr.	P	[1.5] 1.2	Mouth	14,41N,20W	Benton			x	x					B	
Arnault Br.	P	[2.0] 2.2	Mouth	10,38N,2E	Washington			x	x					B	
Arnault Br.	C	1.0	10,38N,2E	15,38N,2E	Washington			x	x					B	
Arnold Cr.	C	[1.5] 1.1	Mouth	24,40N,1E	Washington			x	x					B	
Arthur Cr.	P	[4.5] 5.9	Mouth	14,31N,9W	Texas			x	x					B	
Arthur Cr.	C	2.5	14,31N,9W	[26,31N,9W] 25,31N,9W	Texas			x	x					B	
Ash Ditch	P	[6.0] 6.6	Mouth	13,25N,14E	New Madrid			x	x					B	
Ash Ditch	C	8.0	13,25N,14E	5,26N,15E	New Madrid	Mississippi			x	x				B	
Ash Slough Ditch	P	[17.0] 17.2	Mouth	35,26N,13E	New Madrid		x	x	x					B	x
Asher Cr.	P	[7.0] 8.7	Mouth	4,30N,23W	[Greene] Polk	Greene			x	x				B	
Asher Cr.	C	4.0	4,30N,23W	14,30N,23W	Greene			x	x					B	
Asher Cr.	P	1.0	Mouth	1,26N,7E	Wayne			x	x					B	
Asher Cr.	C	[1.0] 1.2	1,26N,7E	2,26N,7E	Wayne			x	x					B	
Asher Hollow Cr.	C	[3.6] 4.0	Mouth	24,37N,06W	Crawford	Phelps			x	x				B	
Ashley Br.	P	0.5	Mouth	30,39N,1W	Washington			x	x					B	
Ashley Br.	C	[2.0] 1.6	30,39N,1W	32,39N,1W	Washington			x	x					B	
Ashley Cr.	P	2.5	Mouth	35,32N,7W	Dent			x	x					B	
Ashly Br.	C	[0.5] 0.7	Mouth	27,38N,1E	Washington			x	x					B	
[Aslinger Cr.] Aslinger Br.	P	1.0	Mouth	16,32N,8E	Madison			x	x					B	
[Aslinger Cr.] Aslinger Br.	C	1.0	16,32N,8E	County Line	Madison			x	x					B	
Atwell Cr.	P	[1.0] 1.2	Mouth	2,38N,12W	Miller			x	x					B	

IRR-LWW AQL CLF CDF WBC SCR DWS IND

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Atwell Cr.	C	2.0	2,38N,12W	11,38N,12W	Miller			x	x			B			
Auxvasse Cr.	P	[7.5] 8.2	Mouth	8,46N,8W	Callaway			x	x			B	x		
Auxvasse Cr.	C	[30.0] 39.9	8,46N,8W	22,49N,10W	Callaway			x	x			B			
Bachelor Cr.	C	[6.0] 6.8	Mouth	19,49N,7W	Callaway			x	x			B			
[Bachelor Cr.] Roth Cr.	C	[1.0] 1.8	Mouth	[08,42N,01W] 07,42N,01W	Franklin			x	x			B			
Back Cr.	C	[3.0] 3.8	Mouth	11,35N,6E	St. Francois			x	x			B			
Bagby Br.	C	[1.5] 2.3	Mouth	1,52N,16W	Randolph			x	x			B			
Bailey Br.	P	[1.5] 1.8	Mouth	31,36N,1W	Washington			x	x			B			
Baileys Cr.	P	[14.0] 15.7	Mouth	5,44N,7W	Gasconade	Osage		x	x			B			
Baileys Cr.	C	[4.0] 6.6	5,44N,7W	20,44N,7W	Osage			x	x			B			
Baker Br.	C	[2.0] 3.5	Mouth	35,38N,28W	St. Clair			x	x			B			
Baker Cr.	C	3.5	32,29N,15W	12,28N,16W	Wright			x	x			B			
Bald Ridge Cr.	C	10.0	Mouth	13,33N,11W	Pulaski	Texas		x	x			A			
Baltimore Cr.	C	2.0	Mouth	33,33N,9E	Bollinger			x	x			B			
Bank Br.	C	[5.0] 5.5	Mouth	35,37N,17W	Camden			x	x	x		B			
Bannister Hollow	C	[4.0] 4.3	Mouth	36,38N,19W	Camden			x	x			B			
Barber Cr.	C	[7.5] 9.1	Mouth	[Hwy. 136] 3,65N,22W	Sullivan	Putnam		x	x			B			
Barbers Cr.	C	[3.0] 3.3	Mouth	8,25N,19W	Christian			x	x			B			
[Barkers Cr.] Barker Cr.	C	[13.0] 15.0	Mouth	09,43N,23W	Henry	[Benton] Pettis		x	x			B			
Barn Hollow	C	[8.0] 8.2	Mouth	18,27N,7W	Texas	Howell		x	x			B			
Barnes Cr.	C	[1.0] 1.4	Mouth	34,29N,7E	Wayne			x	x			B			
Barnes Cr.	C	1.0	Mouth	4,33N,6E	Madison			x	x			B			
Barney Cr.	C	[4.0] 4.8	Mouth	[Hwy. 32] 24,34N,3W	Dent			x	x			B			
Barnitz Prong	P	[3.0] 4.1	Mouth	21,34N,7W	Dent			x	x			B			
Barren Cr.	C	[3.0] 2.8	Mouth	3,33N,24W	Polk			x	x			B			
Barren Cr.	C	[4.0] 2.6	State Line	8,21N,11W	Ozark			x	x			B			
Barren Fk.	P	[6.0] 7.7	Mouth	30,39N,13W	Miller			x	x	x		A			
Barren Fk.	C	[2.0] 2.6	30,39N,13W	5,38N,13W	Miller			x	x			A			
Barren Fk.	C	[4.0] 4.4	Mouth	5,43N,4W	Franklin	Gasconade		x	x			B			
Barren Fk.	C	[7.0] 11.6	Mouth	10,23N,14W	Ozark			x	x			B			
Barren Fk.	P	2.0	Mouth	[20,31N,4W] 29,31N,4W	Shannon			x	x		x	B			
Barren Fk.	P	[7.0] 8.2	20,31N,4W	32,32N,4W	Shannon	Dent		x	x			B			
Barren Fk.	C	[3.0] 2.6	32,32N,4W	28,32N,4W	Dent			x	x			B			
Barren Hollow	C	0.5	Mouth	16,33N,5E	Madison			x	x			B			
[Barrett Hollow] Barret Hollow	C	1.5	Mouth	1,22N,15W	Ozark			x	x			B			
Bartlett Cr.	C	[7.5] 8.2	Mouth	9,49N,17W	Howard			x	x			B			
Basin Fk.	C	[12.7] 13.5	Mouth	17,44N,23W	Pettis			x	x			B			
Bass Cr.	C	[4.0] 4.4	Mouth	Hwy. 63	Boone			x	x			A			
Bates Cr.	P	[2.0] 1.8	Mouth	16,37N,2E	Washington			x	x			B			
Bates Cr.	C	[2.0] 3.2	16,37N,2E	28,37N,2E	Washington			x	x			B			
Batts Cr.	C	[6.5] 5.3	Mouth	19,52N,16W	Chariton	Howard		x	x			B			

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Bauer Br.	C	[2.5] 3.0	Mouth	[29,42N,21W] 29,43N,21W	Benton			x	x			B			
Bay De Charles	P1	[7.0] 8.0	Mouth	14,58N,5W	Marion			x	x			A	x		
Baynham Br.	P	4.0	Mouth	17,26N,31W	Newton			x	x			B			
Bean Br.	C	[7.0] 8.7	Mouth	Hwy. 54	Audrain			x	x			B			
Bean Cr.	C	[6.0] 6.3	Mouth	9,32N,8W	Dent	Texas		x	x			B			
Bear Br.	C	[3.0] 3.6	Mouth	[1,24N,16W] 6,24N,15W	Ozark			x	x			B			
Bear Br.	C	[2.0] 2.2	Mouth	29,31N,3E	Reynolds	Iron		x	x			B			
Bear Br.	C	2.0	Mouth	19,44N,15W	Moniteau			x	x			B			
Bear Br.	C	1.5	Mouth	17,31N,10E	Bollinger			x	x			B			
Bear Camp Cr.	C	[4.5] 4.8	Mouth	31,26N,1E	Carter			x	x			B			
Bear Claw Spring	P	0.2	Mouth	33,30N,08W	Texas			x	x			B			
Bear Cr.	C	6.0	Mouth	31,49N,12W	Boone			x	x			B	x		
Bear Cr.	C	1.0	Mouth	31,40N,14W	Miller			x	x			B			
Bear Cr.	C	[2.0] 1.8	Mouth	31,43N,9W	Osage			x	x			B			
Bear Cr.	C	[33.0] 36.2	Mouth	8,61N,14W	Shelby	Adair	x	x	x			B			
Bear Cr.	C	[7.0] 7.4	Mouth	17,40N,27W	Henry			x	x			[B]			
Bear Cr.	P	[1.5] 3.4	Mouth	15,38N,24W	St. Clair			x	x			A	x		
Bear Cr.	C	[3.5] 4.1	15,38N,24W	35,38N,24W	St. Clair			x	x			B	x		
Bear Cr.	C	[10.0] 9.4	Mouth	2,44N,28W	Johnson			x	x			B			
Bear Cr.	C	[5.0] 5.6	Mouth	5,33N,28W	Cedar			x	x			B			
Bear Cr.	P	[27.0] 30.7	Mouth	20,33N,23W	Cedar	Polk		x	x			B			
Bear Cr.	C	[11.5] 12.7	Mouth	22,35N,15W	Pulaski	Laclede		x	x			B			
Bear Cr.	C	[2.0] 1.8	Mouth	[25,29N,10W] 25,29N,11W	Texas			x	x			B			
Bear Cr.	P	[2.5] 2.7	Mouth	36,47N,5W	Montgomery			x	x			B			
Bear Cr.	C	3.0	36,47N,5W	20,47N,4W	Montgomery	Warren		x	x			B			
Bear Cr.	C	[15.0] 16.1	Mouth	4,48N,4W	Lincoln	Montgomery		x	x			B			
Bear Cr.	C	3.0	Mouth	8,37N,4E	St. Francois			x	x			B			
Bear Cr.	P	[24.0] 18.3	Mouth	25,30N,6E	Bollinger	Wayne		x	x			A			
Bear Cr.	P	[4.0] 5.0	Mouth	18,24N,21W	Taney			x	x			A	x		
Bear Cr.	C	[6.0] 5.8	18,24N,21W	36,25N,22W	Taney	Christian		x	x			A	x		
Bear Cr.	C	9.8	Mouth	15,54N,36W	Platte			x	x			B			
Bear Cr.	P	[1.3] 1.5	Mouth	34,43N,04E	Jefferson			x	x			B			
Bear Cr.	C	[4.0] 4.5	Mouth	29,52N,19W	Saline			x	x			B			
Bear Cr.	C	[16.0] 20.0	Mouth	33,65N,10W	[Clark] Lewis	Scotland		x	x			B			
Bear Cr.	C	[8.0] 9.4	Mouth	8,59N,19W	Linn			x	x			B			
Bear Cr.	P	[2.5] 2.1	Mouth	[33,57N,4W] 32,57N,4W	Marion			x	x			B			
Bear Cr.	C	[6.0] 8.5	[33,57N,4W] 32,57N,4W	29,57N,5W	Marion			x	x			B			
Bear Cr.	C	[8.0] 9.3	Mouth	32,46N,25W	Johnson			x	x			B			
Beaver Br.	P	2.0	Mouth	36,23N,33W	McDonald			x	x			B			
Beaver Br.	C	[3.0] 3.5	36,23N,33W	19,23N,32W	McDonald			x	x			B			
Beaver Br.	P	1.5	19,23N,32W	17,23N,32W	McDonald			x	x			B			
Beaver Cr.	P	[5.0] 5.7	4,29N,12W	26,29N,12W	Wright	Texas		x	x			B			

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Beaver Cr.	P	[22.0] 24.1	Mouth	29,30N,12W	Wright	Texas		x	x	x		B			
Beaver Cr.	C	[4.0] 4.2	29,30N,12W	4,29N,12W	Wright			x	x			A			
Beaver Cr.	C	[4.0] 3.8	Mouth	33,37N,8W	Phelps			x	x			A			
Beaver Cr.	C	[1.0] 1.2	Mouth	14,40N,2W	Crawford			x	x			B			
Beaver Cr.	P	44.5	Mouth	23,27N,17W	Taney	Douglas	x	x	x	x		A	x		
Beaver Cr.	C	2.0	23,27N,17W	10,27N,17W	Douglas			x	x			B			
Beaver Dam Cr.	C	5.0	Mouth	Hwy. 54	Audrain			x	x			B			
[Beaver Dam Cr.] Beaverdam Cr.	P	[8.0] 9.5	Mouth	9,24N,4E	Butler	Ripley	x	x	x			A			
[Beaver Dam Cr.] Beaverdam Cr.	C	2.0	9,24N,4E	5,24N,4E	Ripley			x	x			B			
[Beaver Dam Cr.] Beaverdam Cr.	C	[5.0] 5.7	Mouth	02,46N,23W	Pettis			x	x			B			
[Beaver Dam Cr.]	[C]	[5.0]	[Mouth]	[02,46N,23W]	[Pettis]			[x]	[x]			[B]			
Becky Cobb Cr.	C	[4.0] 2.7	Mouth	29,23N,13W	Ozark			x	x			B			
Bee Br.	C	[0.2] 0.7	Mouth	32,46N,23W	Pettis	[Johnson]		x	x			B			
Bee Br.	C	[4.3] 5.9	Mouth	06,47N,23W	Pettis			x	x			B			
Bee Br.	C	[5.8] 5.3	Mouth	20,37N,30W	Vernon			x	x			B			
Bee Br.	C	[6.0] 5.0	Mouth	10,55N,17W	Chariton			x	x			B			
Bee Cr.	C	[4.5] 5.8	Mouth	7,53N,10W	Monroe			x	x			B			
Bee Cr.	C	1.6	Mouth	17,23N,21W	Taney			x	x		x	B			
Bee Cr.	C	[3.5] 5.5	Mouth	5,21N,20W	Taney			x	x			A			
Bee Cr.	C	[21.0] 29.4	Mouth	11,55N,35W	Platte	Buchanan	x	x				B	x		
Bee Fk.	C	[8.5] 8.7	Mouth	30,32N,1W	Reynolds			x	x	x		A			
Bee Rock Hollow	C	1.4	Mouth	[03,31N,07W] 33,31N,07W	Texas			x	x			B			
Bee Run	C	2.1	Mouth	24,38N,04E	St. Francois			x	x			B			
Beecham Br.	C	[0.9] 1.6	Mouth	01,36N,29W	Vernon			x	x			B			
Beef Br.	P	2.5	Mouth	11,26N,33W	Newton			x	x			B			
[Beehive Hollow] Beehole Hollow	C	2.0	Mouth	33,26N,4E	Butler			x	x			B			
Beeler Br.	P	[1.5] 1.2	Mouth	7,28N,10W	Texas			x	x			B			
Beeler Br.	C	[1.0] 1.2	7,28N,10W	18,28N,10W	Texas			x	x			B			
Beeman Br.	P	1.0	[14,26N,34W] 14,23N,34W	[13,26N,34W] 24,23N,34W	McDonald			x	x			B			
Belew Cr.	P	[6.6] 7.0	Mouth	28,41N,04E	Jefferson			x	x			B			
Bell Cr.	C	6.0	Mouth	09,37N,12W	Pulaski			x	x				x		
Bell Fountain Ditch	P	18.0	29,16N,9E	12,16N,11E	Dunklin	Pemiscot	x	x				B			
[Bell Pond Hollow] Ball Pond Hollow	C	1.5	Mouth	32,24N,11W	Ozark			x	x			B			
Belleau Cr.	C	[4.5] 5.1	Mouth	6,47N,4E	St. Charles			x	x			B			
Ben Br.	C	1.0	Mouth	22,44N,8W	Osage			x	x			B			
Bender Cr.	P	[3.0] 4.3	Mouth	13,31N,9W	Texas			x	x			B			
Bender Cr.	C	[3.0] 3.4	13,31N,9W	[8,31N,8W] 5,31N,8W	Texas			x	x			B			
Bennett Cr.	C	[2.0] 2.5	Mouth	30,30N,6E	Wayne			x	x			B			
Bennett Hollow	C	[2.0] 1.8	Mouth	13,23N,15W	Ozark			x	x			B			
Bennett Springs Cr.	P	[2.0] 1.6	Mouth	Bennett Springs	Laclede	Dallas	x	x		x		B			

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Bennetts Bayou	P	[6.0] 5.3	State Line	30,22N,10W	Ozark	Howell		x	x			B			
Bennetts Bayou	C	[2.0] 3.0	30,22N,10W	16,22N,10W	Howell			x	x			B			
Bennetts R.	C	[4.0] 5.0	State Line	24,22N,10W	Howell			x	x			B			
Benton Br.	P	0.5	Mouth	11,34N,19W	Dallas			x	x			B			
Benton Br.	C	1.0	11,34N,19W	11,34N,19W	Dallas			x	x			B			
Benton Cr.	P	[6.0] 6.8	Mouth	29,36N,5W	Crawford			x	x			A			
Benton Cr.	C	2.0	29,36N,5W	31,36N,5W	Crawford			x	x			B			
Big Barren Cr.	C	[19.0] 23.4	Mouth	32,26N,2W	Ripley	Carter		x	x	x		A			
Big Berger Cr.	P	[10.0] 12.5	Mouth	26,45N,4W	Franklin			x	x			B			
Big Berger Cr.	C	[7.5] 8.8	26,45N,4W	17,44N,4W	Franklin	Gasconade		x	x			B			
Big Blue Br.	P	[1.0] 0.8	Mouth	12,31N,9E	Bollinger			x	x			B			
Big Blue Br.	C	1.5	12,31N,9E	6,31N,10E	Bollinger			x	x			B			
Big Bottom Cr.	C	[1.9] 1.5	Mouth	Lake Anne	Ste. Genevieve			x	x					x	
Big Bottom Cr.	C	2.1	Lake Anne	13,37N,07E	Ste. Genevieve			x	x			B			
Big Br.	C	0.5	Mouth	22,43N,04W	Franklin			x	x			B			
Big Br.	C	[2.0] 2.8	Mouth	22,46N,11W	Callaway			x	x			B			
Big Branch	C	[3.2] 3.4	Mouth	23,44N,04W	Franklin			x	x			B			
Big Brushy Cr.	P	[8.0] 9.2	Mouth	9,27N,3E	Wayne	Carter		x	x			A			
Big Brushy Cr.	C	[7.0] 7.6	9,27N,3E	4,27N,2E	Carter			x	x			B			
Big Buffalo Cr.	P	[6.0] 5.6	Mouth	06,41N,19W	Benton	Morgan		x	x	x		B		x	
Big Buffalo Cr.	C	[2.5] 2.8	06,41N,19W	28,42N,19W	Morgan		x	x	x			B			
Big Cane Cr.	C	[2.0] 4.9	State Line	26,22N,5E	Butler		x	x	x			B			
Big Cr.	P	[61.3] 70.5	Mouth	[Hwy. 150] 34,47N,31W	Henry	Jackson		x	x			B			
Big Cr.	C	[3.0] 3.3	Mouth	16,42N,3W	Franklin			x	x			[B]		x	
Big Cr.	P	[10.0] 10.3	Mouth	25,48N,1W	Lincoln			x	x			A		x	
Big Cr.	C	[10.0] 17.7	25,48N,1W	8,47N,2W	Lincoln	Warren		x	x			B		x	
Big Cr.	C	[5.0] 9.0	Mouth	25,23N,17W	Taney			x	x			A			
Big Cr.	P	[18.0] 23.0	Mouth	5,31N,2W	Shannon			x	x			A			
Big Cr.	C	[27.0] 28.7	Mouth	5,29N,8W	Shannon	Texas		x	x	x		B			
Big Cr.	P	[32.0] 34.1	Mouth	23,33N,3E	Wayne	Iron		x	x	x		A		x	
Big Cr.	C	[0.5] 0.8	23,33N,3E	23,33N,3E	Iron			x	x			B			
Big Cr.	C	4.3	[Hwy. 150] 34,47N,31W	20,47N,31W	Jackson			x	x			B			
Big Cr.	P	[22.0] 31.5	Mouth	9,63N,28W	Daviess	Harrison		x	x			B			x
Big Cr.	C	1.5	9,54N,23W	[8,54N,23W] 17,54N,23W	Carroll			x	x			B			
Big Cr.	P	[24.0] 31.6	Mouth	9,54N,23W	Carroll			x	x			B			
Big Cr.	P	[7.0] 6.1	Mouth	[21,31N,7E] 29,31N,7E	Wayne	Madison		x	x			A			
[Big Cr.] E Fk. Big Cr.	C	[3.0] 3.2	21,31N,7E	9,31N,7E	Madison			x	x			B			
Big Cr. Cutoff	C	1.5	Mouth	1,30N,3E	Iron			x	x			B			
Big Deer Cr.	C	[4.0] 4.6	Mouth	27,42N,31W	Bates			x	x			B			
Big George Br.	C	[2.0] 3.0	Mouth	18,32N,28W	Barton	Dade		x	x			B			
Big Gulch	C	[1.5] 2.2	Mouth	[8,27N,11W] 3,27N,11W	Douglas			x	x			B			
Big Hollow	C	3.2	Mouth	23,22N,21W	Taney			x	x			B			

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[Big Hollow Cr.] Big Hollow Br.	C	2.0	Mouth	17,32N,10E	Bollinger			x	x			B			
Big Hunting Slough	C	[12.0] 15.9	Mouth	24,23N,6E	Butler			x	x			B			
Big Lake Bayou	C	[13.0] 11.3	Mouth	25,27N,15E	Mississippi			x	x			B			
Big Lake Cr.	P	[5.5] 6.4	Mouth	19,28N,5E	Wayne			x	x			B			
Big Lake Cr.	C	[6.0] 4.4	19,28N,5E	36,29N,4E	Wayne			x	x			B			
Big Lead Cr.	C	5.0	27,50N,2W	18,50N,2W	Lincoln			x	x			B			
Big Muddy Cr.	P	8.0	Mouth	33,60N,27W	Daviess			x	x			B			
Big Muddy Cr.	C	[11.0] 12.0	33,60N,27W	09,61N,27W	Daviess			x	x				x		
Big Muddy Cr.	P	[9.0] 10.2	Mouth	11,64N,30W	Gentry			x	x			B			
Big Muddy Cr.	C	[8.0] 10.9	11,64N,30W	3,65N,29W	Gentry	Harrison		x	x			B			
Big No Cr.	C	[4.0] 4.9	[14,62N,23W] Mouth	26,63N,23W	Grundy			x	x			B			
Big Otter Cr.	C	2.0	Mouth	31,40N,25W	Henry			x	x			B			
Big Paddy Cr.	C	4.0	Mouth	32,33N,10W	Texas			x	x			B			
Big Piney R.	P	[99.0] 96.8	Mouth	16,29N,10W	Pulaski	Texas	x	x	x	x		A	x	x	
Big Piney R.	P	[8.0] 7.8	16,29N,10W	12,28N,11W	Texas			x	x			A	x	x	
Big R.	P	[53.0] 55.6	Mouth	Sur 3166,40N,3E	Jefferson		x	x	x	x		A	x		x
Big R.	P	[68.0] 81.3	Sur 3166, 40N,3E	12,35N,1E	Jefferson	Washington		x	x			A			x
Big R.	C	[2.5] 2.8	12,35N,1E	Council Bluff Lk. D.	Washington	Iron		x	x			B			
Big R.	C	2.0	[27,35N,1E] Mouth	[33,35N,1E] 32,35N,1E	Iron			x	x			B			
Big River Cr.	C	0.7	Mouth	[09,40N,05W] 04,40N,05W	Gasconade			x	x			B			
Big Rock Cr.	C	[3.0] 5.9	8,65N,30W	36,66N,30W	Worth			x	x			B			
Big Rock Cr.	P	[3.0] 3.7	Mouth	8,65N,30W	Worth			x	x			B			
Big Sugar Cr.	P	[31.0] 39.3	[34,22N,32W] Mouth	[27,21N,29W] 26,21N,29W	McDonald	Barry	x	x	x	x		A	x		
Big Sugar Cr.	C	[4.0] 4.9	[27,21N,28W] 26,21N,29W	20,21N,28W	Barry			x	x			B			
[Big Tavern Cr.] Tavern Cr.	P	[2.0] 2.7	Mouth	12,44N,2E	Franklin			x	x			B			
Big Tavern Cr.	C	[3.0] 3.2	Mouth	23,46N,7W	Callaway			x	x			B			
[Big Turkey Cr.]	[C]	[14.0]	[Mouth]	[5,38N,21W]	[Benton]			[x]	[x]			[B]			
Bigelow's Cr.	C	5.0	Mouth	15,44N,01E	St. Charles			x	x			B	x		
Billies Cr.	C	[5.5] 6.6	Mouth	36,29N,25W	Lawrence			x	x			B			
Billy Cr.	C	[5.0] 5.5	Mouth	6,62N,16W	Adair			x	x			B			
[Billy's Br.] Billys Br.	C	[8.0] 11.5	[31,58N,13W] Mouth	19,59N,13W	Macon			x	x			B			
Billy's Br.	C	1.6	06,37N,01W	05,37N,01W	Washington			x	x			B			
Billy's Br.	P	[2.0] 2.4	Mouth	06,37N,01W	Crawford	Washington		x	x			B			
Birch Cr.	C	4.5	Mouth	6,42N,1E	Franklin			x	x			B			
Bird Br.	C	1.0	Mouth	14,41N,22W	Benton			x	x			B			
Birkhead Br.	C	2.0	Mouth	[16,49N,02E] 17,49N,02E	Lincoln			x	x				x		
Bitterroot Cr.	C	[2.5] 3.0	Mouth	30,37N,33W	Vernon			x	x			B			
Black Cr.	P	[19.0] 19.4	Mouth	[Hwy. 15] 29,58N,10W	Shelby			x	x			B			

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Black Cr.	C	[15.0] 21.8	[Hwy. 15] 29,58N,10W	[14,59N,12W] 11,59N,12W	Shelby			x	x			B			
Black Cr.	C	[7.9] 7.3	Mouth	35,43N,32W	Cass			x	x			B			
Black Cr.	P	1.6	Mouth	21,45N,6E	St. Louis			x	x			B	x		
Black Jack Cr.	C	[4.0] 5.0	Mouth	16,47N,25W	Johnson			x	x			B			
Black R.	P	[26.0] 26.9	7,29N,3E	17,32N,2E	Reynolds		x	x	x	x		A	x		x
Black R.	P	[45.0] 47.1	State Line	16,25N,6E	Butler		x	x	x	x		A	x	x	
Black R.	P	[35.0] 39.0	16,25N,6E	Clearwater Dam	Butler	Wayne	x	x	x	x		A	x	x	
Black R. Ditch	P	[10.0] 11.1	State Line	32,23N,7E	Butler		x	x	x			B			
Blackberry Cr.	C	6.5	Mouth	28,30N,33W	Jasper			x	x			B			
Blackbird Cr.	P	[6.0] 9.4	Mouth	2,64N,17W	Adair	Putnam		x	x			A			
Blackwater R.	P	[76.0] 79.4	Mouth	12,46N,27W	Cooper	Johnson	x	x	x			A	x	x	
Blair Cr.	P	[8.0] 8.2	Mouth	31,30N,2W	Shannon			x	x			B			
Blair Cr.	C	[4.0] 4.3	31,30N,2W	18,30N,2W	Shannon			x	x			B			
Blair Hollow	C	[1.0] 1.5	Mouth	1,22N,12W	Ozark			x	x			B			
Blay Cr.	C	2.0	Mouth	36,37N,3E	St. Francois	Washington		x	x			B			
Block Br.	P	[0.3] 0.6	Mouth	18,41N,04W	Gasconade			x	x			B			
Block Br.	C	1.6	18,41N,04W	[12,41N,05W] 11,41N,05W	Gasconade			x	x			B			
Bloom Cr.	C	[3.5] 3.0	Mouth	36,36N,7E	Ste. Genevieve			x	x			B			
Blue Cr.	P	[1.0] 1.5	Mouth	6,33N,9E	Bollinger			x	x			B			
Blue Cr.	C	1.0	6,33N,9E	7,33N,9E	Bollinger			x	x			B			
Blue Cr.	C	[1.5] 1.7	Mouth	31,46N,8W	Callaway			x	x			B			
Blue Cr.	P	[2.0] 1.8	Mouth	[Hwy. 87] 5,50N,17W	Howard			x	x			B			
Blue Cr.	C	[1.0] 2.6	[Hwy. 87] 5,50N,17W	4,50N,17W	Howard			x	x			B			
Blue Ditch	P	[6.0] 5.8	Mouth	14,27N,14E	Scott		x	x	x			B	x		
Blue Ditch	C	[5.0] 5.8	14,27N,14E	29,28N,14E	Scott		x	x	x				x		
Blue R.	P	[4.0] 4.4	Mouth	[Guinotte Dam] 6,49N,32W	Jackson			x	x			B			x
Blue R.	P	[9.0] 9.4	[Guinotte Dam] 6,49,32W	[59th St.] 2,48,33W	Jackson			x	x			B	x		x
Blue R.	P	[9.0] 7.7	[59th St.] 2,48N,33W	[Bannister Rd.] 28,48N,33W	Jackson			x	x			A	x		
Blue R.	C	[11.0] 12.0	[Bannister Rd] 28,48N,33W	State Line	Jackson			x	x			B	x		
Blue Shawnee Cr.	P	[2.0] 1.6	8,33N,13E	17,33N,13E	Cape Girardeau			x	x			B			
Blue Shawnee Cr.	C	[2.0] 2.5	17,33N,13E	29,33N,13E	Cape Girardeau			x	x			B			
Blue Spring Cr.	P	1.5	[1,40N,16W] Mouth	35,41N,16W	Miller			x	x			B			
Blue Spring Cr.	C	0.5	35,41N,16W	26,41N,16W	Miller			x	x			B			
[Blue Spring Slough] Snyder Ditch	C	[10.0] 6.5	26,24N,7E	[2,25N,7E] 26,25N,7E	Butler			x	x			B			
Blue Springs Cr.	P	[4.0] 4.3	Mouth	2,39N,3W	Crawford			x	x		x	A			
Blue Springs Cr.	C	[1.0] 1.2	2,39N,3W	3,39N,3W	Crawford			x	x			B			
Blewater Cr.	C	1.5	Mouth	11,26N,6E	[Butler] Wayne	Butler		x	x			B			

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Blythes Cr.	P	[6.5] 6.9	Mouth	[Bus. Hwy. 54] 27,42N,15W	Moniteau	Miller		x	x					x	
Bobs Cr.	P1	[4.5] 4.9	Mouth	[Hwy. 79] 306,49N,2E	Lincoln			x	x					B	
Bobs Cr.	P	[1.5] 1.7	[Hwy. 79] 306,49N,2E	34,49N,2E	Lincoln			x	x					B	
Bobs Cr.	C	[12.5] 14.2	34,49N,2E	27,50N,1E	Lincoln			x	x					B	x
Boeuf Cr.	P	[28.0] 30.7	Mouth	[15,43N,4W] 22,43N,4W	Franklin		x	x	x					A	
Boeuf Cr.	C	[7.0] 8.5	15,43N,4W	5,42N,4W	Gasconade			x	x					B	
Boiling Spr. Hollow	C	1.5	Mouth	3,36N,1W	Washington			x	x					B	
Boiling Spring	P	0.1	Mouth	24,32N,10W	Texas			x	x					B	
Bois Brule Cr.	P	[1.5] 1.8	Mouth	20,42N,12W	Cole			x	x					B	
Bois Brule Cr.	C	[9.0] 9.5	20,42N,12W	20,42N,13W	Cole			x	x					B	
Bois Brule Ditch	P	[4.0] 4.7	Mouth	16,36N,11E	Perry			x	x					B	
Bollinger Br.	C	[4.0] 3.0	Mouth	15,24N,12W	Ozark			x	x					B	
Bollinger Cr.	C	[2.0] 2.4	5,39N,18W	7,39N,18W	Camden			x	x					B	
Bones Br.	C	[5.5] 8.3	Mouth	29,41N,31W	Bates			x	x					B	
Bonhomme Cr.	C	[2.0] 2.5	Mouth	[1 Mi. above Hwy. 70] Sur 2031,45N,4E	St. Louis			x	x					B	
Bonne Femme Cr.	P	[7.0] 7.8	Mouth	20,47N,12W	Boone			x	x					A	
Bonne Femme Cr.	C	[6.0] 7.0	20,47N,12W	2,47N,12W	Boone			x	x					B	
Bonne Femme Cr.	P	[20.0] 24.0	Mouth	36,51N,16W	Howard			x	x					B	
Bonne Femme Cr.	C	[11.0] 13.0	36,51N,16W	22,52N,15W	Howard	Randolph		x	x					B	
Boone Cr.	P	[3.0] 3.8	Mouth	16,32N,9W	Texas			x	x					B	
Boone Cr.	C	[3.0] 1.7	16,32N,9W	15,32N,9W	Texas			x	x					B	
Boone Cr.	P	[3.0] 3.5	Mouth	29,41N,3W	Franklin			x	x					B	
Boone Cr.	C	8.0	29,41N,3W	15,40N,3W	Franklin			x	x					B	
[Boones Branch Cr.] Boones Br.	C	2.5	Mouth	5,49N,17W	Howard			x	x					B	
Bounds Cr.	C	[2.0] 2.2	Mouth	30,29N,6E	Wayne			x	x					B	
Bourbeuse R.	P	[132.0] 136.7	Mouth	4,39N,6W	Franklin	Phelps	x	x	x	x				A	x x
Bourbeuse R.	C	[9.0] 11.1	4,39N,6W	12,38N,7W	Phelps			x	x	x				B	
Bourne Cr.	P	1.9	Mouth	[04,42N,04E] 15,42N,4E	Jefferson			x	x					B	
[Bradley Cr.] Bradley Br.	C	[1.5] 2.2	Mouth	[6,45N,26W] 7,45N,26W	Johnson			x	x					B	
Brashear Hollow	C	[0.5] 0.9	Mouth	33,39N,15W	Camden			x	x					B	
Brawley Cr.	C	[3.0] 2.8	Mouth	26,45N,26W	Johnson			x	x					B	x
Bray Hollow	C	1.0	Mouth	27,23N,15W	Ozark			x	x					B	
Brazeau Cr.	P	[9.0] 10.8	Mouth	17,34N,13E	Perry			x	x					B	
Brazil Cr.	P	[13.0] 13.9	Mouth	27,38N,1W	Crawford	Washington		x	x					A	
Brazil Cr.	C	[1.5] 1.8	27,38N,1W	26,38N,1W	Washington			x	x					B	
Brewer Lake	P	3.5	8,26N,18E	[26,27N,17E] 36,27N,17E	Mississippi			x	x					B	
Brewer Lake Ditch	C	4.5	5,26N,18E	20,26N,18E	Mississippi			x	x					B	
Brewers Cr.	P	2.5	Mouth	29,34N,5E	Madison			x	x					B	
Brewers Cr.	C	1.0	29,34N,5E	19,34N,5E	Madison			x	x					B	
Briar Cr.	C	[6.0] 6.4	Mouth	13,23N,1E	Ripley			x	x					B	

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Brickley Hollow	C	0.8	Mouth	35,41N,21W	Benton			x	x				B		
Bridge Cr.	C	[1.5] 1.7	Mouth	36,55N,23W	Carroll			x	x				B		
Bridge Cr.	C	[7.0] 8.4	Mouth	7,65N,13W	Scotland	Schuyler		x	x				B		
Bridge Cr.	C	[13.0] 27.0	Mouth	13,63N,12W	Lewis	Knox		x	x				B		
Bridges Cr.	C	[5.0] 6.4	Mouth	17,22N,11W	Ozark			x	x				B		
Bright Hollow	C	2.0	Mouth	32,25N,20W	Taney	Christian		x	x				B		
Brixey Cr.	C	2.5	Mouth	17,24N,13W	Ozark			x	x				B		
Broadus Br.	C	[1.5] 2.1	Mouth	15,37N,18W	Camden			x	x				B		
Brock Cr.	P	[3.5] 3.2	Mouth	3,35N,1E	Washington			x	x				B		
Brock Cr.	C	1.5	3,35N,1E	4,35N,1E	Washington			x	x				B		
Browning Hollow	C	1.0	Mouth	20,26N,26W	Lawrence			x	x				B		
Browns Br.	C	[3.0] 2.5	Mouth	6,43N,1E	Franklin			x	x				B		
Brush Cr.	C	[5.0] 5.3	Mouth	14,56N,10W	Monroe			x	x				B		
Brush Cr.	C	[4.0] 3.4	Mouth	2,53N,9W	Monroe			x	x				B		
Brush Cr.	C	[2.0] 0.8	Mouth	32,40N,17W	Camden			x	x				B		
Brush Cr.	P	[3.2] 2.2	Mouth	19,42N,23W	Henry	Benton		x	x				B		
Brush Cr.	C	[1.5] 2.3	Mouth	27,38N,25W	St. Clair	Polk		x	x				B		
Brush Cr.	P	[11.5] 12.2	Mouth	31,36N,24W	St. Clair			x	x	x			A		
Brush Cr.	P	[4.0] 4.7	31,36N,24W	16,35N,24W	St. Clair	Polk		x	x				B		
Brush Cr.	P	[2.5] 3.5	Mouth	18,42N,8W	Osage			x	x				B		
Brush Cr.	C	[2.0] 2.4	18,42N,8W	[14,42N,9W] 11,42N,9W	Osage			x	x				B		
Brush Cr.	P	[4.5] 6.5	Mouth	27,33N,16W	Laclede			x	x				B		
Brush Cr.	C	[2.0] 2.5	27,33N,16W	32,33N,16W	Laclede			x	x				B	x	
Brush Cr.	C	[2.0] 2.5	Mouth	11,43N,2E	[Franklin] St. Louis	Franklin		x	x				B		
Brush Cr.	C	[7.0] 7.8	Mouth	10,49N,4W	Montgomery			x	x				B		
Brush Cr.	P	[1.0] 1.4	Mouth	3,40N,1W	Franklin			x	x				B		
Brush Cr.	C	2.0	3,40N,1W	10,40N,1W	Franklin			x	x				B		
Brush Cr.	C	[1.5] 1.3	Mouth	26,41N,6W	Gasconade			x	x				B		
Brush Cr.	P	[14.5] 17.5	Mouth	Indian Lake Dam	Gasconade	Crawford		x	x				A		
Brush Cr.	C	2.0	23,39N,5W	27,39N,5W	Crawford			x	x				B		
Brush Cr.	P	[7.0] 7.4	Mouth	11,25N,13W	Ozark	Douglas		x	x				B		
Brush Cr.	C	1.5	11,25N,13W	1,25N,13W	Douglas			x	x				B		
Brush Cr.	C	[8.0] 7.4	Mouth	8,51N,34W	Platte			x	x				B	x	
[Brush Cr.] Brushy Cr.	C	1.0	Mouth	34,31N,4E	Iron			x	x				B		
Brush Cr.	C	[2.0] 2.3	Mouth	[13,28N,8E] 24,28N,8E	Wayne	[Bollinger]		x	x				B		
Brush Cr.	C	[9.0] 8.0	[Mouth] 19,42N,23W	35,43N,23W	Benton			x	x				B		
Brush Cr.	P	[1.6] 1.8	Mouth	17,43N,10W	Osage			x	x				B		
Brush Cr.	C	2.0	16,35N,24W	22,35N,24W	Polk			x	x				B		
Brush Cr.	C	[5.4] 5.9	Mouth	36,50N,27W	Lafayette			x	x				B		
Brush Cr.	C	4.5	Mouth	26,66N,25W	Mercer			x	x				B		
Brush Cr.	C	5.0	Mouth	8,65N,26W	Harrison			x	x				B		
Brush Cr.	C	[22.5] 26.3	Mouth	2,59N,17W	Chariton	Macon		x	x				B		

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[Brush Cr.] Brushy Cr.	C	[4.0] 4.5	Mouth	[35,65N,14W] 36,65N,14W	Schuyler			x	x			B			
Brush Cr.	P	0.5	Mouth	27,43N,14W	Cole			x	x			B			
Brush Cr.	C	5.0	27,43N,14W	16,42N,14W	Cole	Miller		x	x			B			
Brush Fk.	C	[1.1] 1.4	Mouth	23,45N,06W	Gasconade			x	x			B			
Brushy Br.	C	[1.0] 1.5	Mouth	1,42N,6W	Gasconade			x	x			B			
Brushy Br.	C	[1.5] 1.8	Mouth	11,49N,7W	Callaway			x	x			B			
Brushy Cr.	P	[1.0] 1.4	Mouth	04,40N,20W	Benton			x	x			B			
Brushy Cr.	P	[3.0] 3.5	Mouth	[Hwy. 63] 5,30N,9W	Texas			x	x			B			
Brushy Cr.	C	[4.0] 3.8	[Hwy. 63] 5,30N,9W	14,30N,09W	Texas			x	x			B			
Brushy Cr.	C	3.0	Mouth	Sur 1708,51N,1W	Lincoln			x	x			[B]			
Brushy Cr.	C	[2.5] 1.9	Mouth	7,35N,9E	Ste. Genevieve			x	x			B			
Brushy Cr.	C	[6.0] 6.4	Mouth	[Hwy. 125] 31,24N,17W	Taney			x	x			B			
Brushy Cr.	P	3.0	Mouth	17,30N,3W	Shannon			x	x			B			
Brushy Cr.	C	[1.0] 1.6	17,30N,3W	16,30N,3W	Shannon			x	x			B			
Brushy Cr.	C	[4.0] 4.5	Mouth	25,33N,1W	Reynolds			x	x			B			
Brushy Cr.	P	3.0	Mouth	28,27N,4E	Wayne			x	x			A			
Brushy Cr.	C	[1.5] 1.9	28,27N,4E	30,27N,4E	Wayne			x	x			A			
Brushy Cr.	C	[11.0] 12.1	Mouth	State Line	Nodaway	Worth		x	x			B			
Brushy Cr.	C	1.5	Mouth	27,46N,23W	Pettis			x	x			B			
Brushy Cr.	C	7.0	Mouth	18,54N,29W	Caldwell	Ray		x	x			B	x		
Brushy Cr.	C	0.5	32,46N,21W	[SE6,46N,21W] 5,45N,21W	Pettis			x	x			B			
Brushy Cr.	C	[2.0] 2.2	Mouth	1,52N,32W	Clay			x	x			B			
Brushy Cr.	C	[5.0] 5.4	Mouth	30,60N,26W	Daviess			x	x			B			
Brushy Cr.	C	[5.0] 8.1	Mouth	8,57N,29W	Caldwell			x	x			B			
Brushy Cr.	C	[5.0] 5.2	Mouth	7,46N,11W	Boone			x	x			B			
Brushy Cr.	P	[3.0] 3.8	Mouth	SW 32,46N,21W	Pettis			x	x						
Brushy Fk.	C	5.0	Mouth	12,39N,14W	Miller			x	x	x		A			
Brushy Fk.	C	1.0	Mouth	12,38N,1W	Washington			x	x			B			
Brushy Fk.	C	4.0	Mouth	[21,40W,2E] 21,49N,2E	Lincoln			x	x			B			
Brushy Hollow	C	1.0	Mouth	25,23N,15W	Ozark			x	x			B			
Brushy Hollow Br.	P	[1.5] 1.3	Mouth	Sur 430,37N,2E	Washington			x	x			B			
Bryant Cr.	P	[13.5] 16.4	[5,22N,12W] Mouth	3,23N,12W	Ozark	Douglas		x	x	x		A	x		
Bryant Cr.	P	1.0	3,23N,12W	34,24N,12W	Ozark			x	x		x	A	x		
Bryant Cr.	P	[43.0] 44.8	34,24N,12W	17,27N,15W	Ozark	Douglas		x	x	x		A	x		
Bryants Cr.	C	[13.5] 15.9	Mouth	[33,51N,1E] 28,51N,1E	Pike	Lincoln		x	x			B			
Buchler Cr.	P	1.4	Mouth	14,42N,09W	Osage			x	x			B			
Buck Br.	C	[6.0] 5.5	Mouth	18,29N,31W	Jasper			x	x			B			
Buck Cr.	C	1.0	Mouth	14,40N,5E	Jefferson			x	x			B			
Buck Cr.	P	4.0	Mouth	24,33N,9E	Bollinger			x	x			B			
Buck Cr.	C	[1.0] 1.2	24,33N,9E	14,33N,9E	Bollinger			x	x			B			
Buck Elk Br.	C	1.0	Mouth	11,41N,8W	Osage			x	x			B			
Buck Elk Cr.	P	1.5	Mouth	9,41N,8W	Osage			x	x			B			

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WATER BODY	CLASS	MILES	FROM	TO	COUNTY	COUNTY 2	IRR	LWW	AQL	CLF	CDF	WBC	SCR	DWS	IND
Buck Elk Cr.	C	1.0	9,41N,8W	10,41N,8W	Osage			x	x			B			
[Buck Lick Cr.] Bucklick Cr.	C	[5.0] 5.4	Mouth	30,44N,2W	Franklin			x	x			B			
Buckeye Cr.	P	[3.0] 3.4	Mouth	[Hwy. 61] 14,33N,12E	Cape Girardeau			x	x			B			
Buckeye Cr.	C	[2.0] 2.6	Hwy 61	26,33N,12E	Cape Girardeau			x	x			B			
Buffalo Cr.	P	[2.0] 3.4	Mouth	5,53N,1W	Pike			x	x			B			
Buffalo Cr.	C	[4.0] 3.7	5,53N,1W	[18,53N,1W] 19,53N,1W	Pike			x	x			B			
Buffalo Cr.	P	[5.0] 5.4	Mouth	20,24N,1E	Ripley			x	x	x		B			
Buffalo Cr.	P	[10.0] 10.7	State Line	[5,23N,33W] 7,23N,33W	McDonald			x	x	x	x	A	x		
Buffalo Cr.	P	[5.5] 8.0	5,23N,33W	14,24N,33W	[Newton] McDonald	Newton		x	x	x	x	A	x		
Buffalo Cr.	C	[1.5] 1.7	14,24N,33W	12,24N,33W	Newton			x	x			B			
Buffalo Cr.	C	2.1	Mouth	28,48N,22W	Saline	Pettis		x	x			B			
Buffalo Ditch	P	[18.0] 17.3	State Line	11,18N,9E	Dunklin			x	x			B			
Buffalo Ditch	C	3.0	11,18N,9E	36,19N,9E	Dunklin			x	x			B			
Bull Cr.	P	5.0	Mouth	34,24N,21W	Taney			x	x	x	x	A	x		
Bull Cr.	P	[17.5] 18.9	34,24N,21W	33,26N,20W	Taney	Christian		x	x	x	x	A	x		
Bull Cr.	C	[3.0] 3.2	33,26N,20W	22,26N,20W	Christian			x	x			A			
Bullskin Cr.	P	[3.0] 4.9	Mouth	26,24N,32W	McDonald	Newton		x	x	x		B			
Buncomb Br.	C	1.2	Mouth	[26,48N,23W] 25,48N,23W	Pettis			x	x			B			
Burgher Br.	C	[2.0] 1.5	Mouth	07,37N,07W	Phelps			x	x			B	x		
Burkhart Br.	C	[3.5] 3.7	Mouth	12,31N,12W	Texas			x	x			B			
Burney Br.	C	4.5	Mouth	21,31N,24W	Dade	Greene		x	x			B			
Burr Oak Cr.	C	[6.5] 6.8	Mouth	19,49N,31W	Jackson			x	x			B			
Burr Oak Cr.	C	2.0	Mouth	33,54N,25W	Carroll			x	x			B			
Burris Fk.	C	8.0	10,43N,16W	25,43N,17W	Moniteau	Morgan		x	x			B			
Burris Fk.	P	[11.5] 13.2	Mouth	10,43N,16W	Moniteau			x	x			A	x		
Burton Br.	C	2.0	Mouth	13,31N,10W	Texas			x	x			B			
Busch Cr.	C	2.0	Mouth	[34,44N,1W] 23,44N,1W	Franklin			x	x			B			
Butcher Br.	P	[1.6] 1.4	Mouth	[12,40N,04E] 12,40N,03E	Jefferson			x	x			B			
Butcher Cr.	C	1.0	Mouth	[16,48N,1E] 15,48N,1E	Lincoln			x	x			B			
Butler Cr.	P	[3.5] 3.9	Mouth	State Line	McDonald			x	x	x	x	A			
[Butter Cr.] Butler Cr.	C	4.0	State Line	17,21N,27W	Barry			x	x			B			
Bynum Cr.	C	[4.5] 5.9	Mouth	16,49N,9W	Callaway			x	x			B			
Byrd Cr.	P	[12.0] 14.6	Mouth	Sur 325,32N,12E	Cape Girardeau			x	x			B			
Byrd Cr.	C	1.5	Sur 325, 32N,12E	[4,32N,12E] 33,33N,12E	Cape Girardeau			x	x			B			
Cabanne Course	C	1.5	Mouth	3,37N,4E	St. Francois			x	x			B			
Cache R. Ditch	C	[7.0] 7.7	State Line	36,23N,7E	Butler			x	x	x		B			
Cadet Cr.	P	[1.0] 2.1	Mouth	34,44N,10W	Osage			x	x			B			

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Cadet Cr.	C	1.0	34,44N,10W	[34,43N,10W] 26,44N,10W	Osage			x	x			B			
Cadet Cr.	P	2.0	Mouth	27,38N,3E	Washington			x	x			B			
Cahoochie Cr.	C	4.0	Mouth	9,36N,20W	Dallas			x	x			B			
Calico Cr.	C	[4.0] 5.4	Mouth	02,39N,02E	Jefferson	Washington		x	x			A			
California Br.	C	[2.5] 2.7	Mouth	17,40N,1E	Franklin	Washington		x	x			B			
Callahan Cr.	C	[11.5] 13.8	Mouth	23,50N,14W	Boone			x	x				x		
Callaway Fk.	C	[6.0] 4.5	Mouth	[1,45N,1E] 6,45N,2E	St. Charles			x	x			B			
Calton Cr.	C	[5.0] 5.5	Mouth	16,25N,26W	Barry			x	x			B	x		
Calumet Cr.	P	[1.5] 1.8	Mouth	18,53N,1E	Pike			x	x			B			
Calumet Cr.	C	4.0	18,53N,1E	26,53N,1W	Pike			x	x			B			
Calvey Cr.	P	3.0	Mouth	4,42N,2E	Franklin			x	x			B			
Calvey Cr.	C	[4.0] 4.5	4,42N,2E	13,42N,2E	Franklin			x	x			B			
Camp Br.	C	[13.0] 16.1	Mouth	[28,45N,30W] 33,45N,30W	Johnson	Cass		x	x			B			
Camp Br.	C	[6.0] 7.3	Mouth	20,39N,29W	Bates			x	x			B			
Camp Br.	C	4.0	Mouth	27,48N,3W	Warren			x	x			B			
Camp Br.	C	[4.3] 4.2	Smithvle Lk	36,54N,32W	Clay			x	x			B			
Camp Br.	C	3.5	Mouth	35,29N,10W	Texas			x	x						
Camp Br.	C	[8.2] 10.1	Mouth	24,45N,23W	Pettis			x	x			B			
Camp Cr.	C	[3.0] 3.2	Mouth	23,38N,9W	Phelps			x	x			B			
Camp Cr.	P	[5.0] 6.3	Mouth	26,49N,3W	Lincoln	Warren		x	x			B			
Camp Cr.	C	[5.0] 6.0	26,49N,3W	16,48N,3W	Warren			x	x			B			
Camp Cr.	C	1.0	Mouth	16,25N,21W	Christian			x	x			B			
Camp Cr.	P	[5.5] 5.3	Mouth	34,30N,4E	Wayne			x	x			B			
Camp Cr.	C	[1.0] 1.3	34,30N,4E	33,30N,4E	Wayne			x	x			B			
Camp Cr.	C	[0.5] 1.95	29,36N,06E	[Hwy. EE] 29,36N,06E	St. Francois			x	x			B			
[Camp Cr.]	[C]	[3.5]	[Mouth]	[27,45N,22W]	[Pettis]			[x]	[x]			[B]			
Camp Cr.	C	[5.0] 5.5	Mouth	24,50N,20W	Saline			x	x			B			
Campbell Br.	C	[2.0] 2.3	Mouth	7,48N,2E	Lincoln			x	x			B			
Campbell Cr.	C	[3.0] 2.8	Mouth	[18,61N,30W] 19,61N,30W	Gentry			x	x				[B]		
Campbell Cr.	C	[5.5] 5.9	Mouth	24,56N,23W	Livingston			x	x			B			
Cane Cr.	P	[8.0] 8.7	Mouth	Sur 3146,32N,12E	Cape Girardeau			x	x			B			
Cane Cr.	C	4.0	Sur 3146, 32N,12E	[Hwy. 55] 7,32N,13E	Cape Girardeau			x	x			B			
Cane Cr.	C	[3.0] 4.0	Mouth	28,23N,18W	Taney			x	x	x		B			
Cane Cr.	P	[23.0] 27.5	[36,23N,5E] 30,23N,6E	5,25N,5E	Butler		x	x	x	x		A	x		
Cane Cr.	C	[15.0] 15.9	5,25N,5E	15,26N,3E	Butler	Carter		x	x	x		A			
Cane Cr.	C	[6.0] 9.8	[26,22N,5E] Mouth	[36,23N,5E] 30,23N,6E	Butler		x	x	x			B			
Cane Cr.	C	[3.0] 3.6	6,29N,10E	27,30N,9E	Bollinger			x	x			B			
Cane Cr.	P	[7.0] 8.4	Mouth	6,29N,10E	Bollinger			x	x			B			
Cane Cr. Ditch	P	[7.0] 7.5	State Line	[36,23N,5E] 30,23N,6E	Butler		x	x	x			B	x		

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Caney Cr.	C	[4.0] 3.0	Mouth	[12,24N,17W] 11,24N,17W	Taney			x	x			A			
Caney Cr.	C	7.0	Mouth	5,23N,13W	Ozark			x	x			B			
Caney Cr.	C	11.5	9,28N,12E	36,29N,13E	Scott			x	x			[B]	x		
Cannon Br.	P	[0.3] 0.8	Mouth	17,36N,25W	St. Clair			x	x			B			
[Cansy Fk.] Caney Fk.	P	[5.0] 5.3	Mouth	3,32N,11E	Cape Girardeau			x	x			B			
[Cansy Fk.] Caney Fk.	C	4.0	3,32N,11E	28,33N,11E	Cape Girardeau			x	x			B			
Cantrell Cr.	P	[7.0] 7.8	Mouth	07,30N,16W	Webster			x	x			B			
Cantrell Cr.	C	[6.0] 5.9	07,30N,16W	32,30N,16W	Webster			x	x			B			
Cape Cr.	P	1.0	Mouth	22,33N,8E	Madison			x	x			B			
Cape Cr.	C	0.5	22,33N,8E	22,33N,8E	Madison			x	x			B			
Cape La Croix Cr.	P	[8.5] 7.2	Mouth	[23,31N,13E] Sur 3314,31N,13E	Cape Girardeau			x	x			B			
[Cape La Croix Cr.] Trib. to Cape La Croix Cr.	C	[1.0] 1.7	[23,31N,13E] Sur 3314, 31N,13E	11,31N,13E	Cape Girardeau			x	x			[B]			
Capps Cr.	P	[4.0] 5.0	Mouth	17,25N,28W	Newton	Barry	x	x	x		x	A		x	
Captain Cr.	C	1.0	Mouth	24,32N,5E	Madison			x	x			B			
Carney Cr.	C	[4.0] 4.5	Mouth	3,24N,25W	Barry			x	x			B		x	
Carroll Cr.	C	9.4	Mouth	04,53N,30W	Clay			x	x			B			
Carter Cr.	C	1.0	Mouth	5,39N,2W	Crawford			x	x			B			
Carter Cr.	C	[5.5] 6.0	Mouth	4,27N,1E	Carter			x	x			B			
Carver Br.	P	[2.0] 3.0	Mouth	13,26N,32W	Newton			x	x			A			
[Carver Cr.] Trib. to Bauer Br.	C	3.0	Mouth	[33,43N,21W] 28,43N,21W	Benton			x	x			B			
Carver Cr.	P	[1.0] 1.6	Mouth	28,32N,3E	Iron			x	x			B			
Carver Cr.	C	[3.0] 4.0	28,32N,3E	16,32N,3E	Iron			x	x			B			
Casmer Br.	C	1.5	Mouth	12,48N,2W	Lincoln			x	x			B			
Cason Br.	C	2.5	Mouth	21,45N,10W	Callaway			x	x						
Castile Cr.	C	[32.0] 40.2	Mouth	24,58N,32W	Buchanan	Dekalb		x	x			B	x	x	
Casto Cr.	C	[3.5] 4.3	Mouth	14,27N,16W	Douglas			x	x			B			
Castor R.	P	45.5	Mouth	31,28N,10E	Stoddard			x	x			B			
Castor R.	C	10.5	31,28N,10E	12,28N,9E	Stoddard	Bollinger		x	x			B			
Castor R.	P	[6.5] 7.5	12,28N,9E	29,29N,9E	Bollinger		x	x	x			A		x	
Castor R.	P	[59.5] 59.0	29,29N,9E	19,34N,8E	Bollinger	Madison		x	x	x		A		x	
Castor R.	C	[2.0] 2.5	19,34N,8E	7,34N,8E	Madison	St. Francois		x	x			B			
Castor R. Div. Chan.	P	[13.0] 12.2	4,29N,11E	12,28N,9E	Cape Girardeau	Bollinger		x	x			A	x	x	
Castro Valley	C	[4.0] 3.4	Mouth	1,29N,6W	Shannon			x	x			B			
Cat Hollow	C	[2.0] 2.5	Mouth	33,35N,18W	Dallas			x	x			B			
Cathcart Hollow	C	[1.6] 1.8	Mouth	20,31N,09W	Texas			x	x			B			
[Cato Slough] Ditch 101	P	[1.5] 1.7	Mouth	[2,27N,9E] 34,28N,9E	Stoddard	Bollinger		x	x			B			
Cato Slough	C	[4.0] 5.7	[2,27N,9E] Mouth	15,28N,9E	Bollinger		x	x	x			B			
Cave Br.	C	[2.0] 2.7	[30,36N,26W] Mouth	[13,36N,26W] 13,36N,27W	Cedar			x	x			B			
Cave Cr.	C	[3.0] 3.2	Mouth	14,34N,18W	Dallas			x	x			B			

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Cave Cr.	C	0.5	Mouth	29,48N,15W	Cooper			x	x			B			
[Cave Fk. Cr.] Cave Fk.	C	[3.0] 3.4	Mouth	10,24N,1W	Ripley			x	x			B			
Cave Spring Br.	C	[1.0] 1.2	16,28N,29W	21,28N,29W	Jasper			x	x			B			
Cave Spring Cr.	C	[1.0] 1.2	Mouth	5,43N,33W	Cass			x	x			B			
Cave Spring Hollow	C	1.5	Mouth	12,29N,2E	Reynolds			x	x			B			
Cedar Bottom Cr.	P	3.5	Mouth	32,33N,6E	Madison			x	x			B			
Cedar Bottom Cr.	C	3.0	32,33N,6E	10,32N,6E	Madison			x	x			B			
Cedar Br.	P	[3.0] 2.7	Mouth	16,31N,10E	Bollinger			x	x			B			
Cedar Br.	C	[2.0] 1.7	16,31N,10E	8,31N,10E	Bollinger				x	x		B			
Cedar Cr.	P	[27.0] 31.0	Mouth	20,34N,27W	Cedar		x	x	x			A	x		
Cedar Cr.	C	[16.5] 16.2	20,34N,27W	10,32N,28W	Cedar	Dade		x	x			B			
Cedar Cr.	C	2.0	Mouth	15,42N,6W	Gasconade			x	x			B			
Cedar Cr.	P	[10.0] 11.3	Mouth	[Hwy. 32] 34,35N,2E	Washington	Iron		x	x			A			
Cedar Cr.	C	[2.0] 2.6	[Hwy. 32] Sur 2184,35N,2E	[32,35N,2E] 5,34N,2E	Iron			x	x			B			
Cedar Cr.	C	[1.0] 2.8	2,22N,19W	6,22N,18W	Taney			x	x			B			
Cedar Cr.	P	6.5	Mouth	11,30N,6E	Wayne			x	x			B			
Cedar Cr.	P	[2.5] 2.2	Mouth	28,26N,32W	Newton			x	x			B			
Cedar Cr.	C	[5.1] 4.3	Mouth	12,47N,32W	Jackson			x	x			B			
Cedar Cr.	C	4.9	Mouth	34,40N,08W	Maries			x	x			B			
Cedar Cr.	C	[33.0] 37.4	21,46N,11W	3,49N,11W	Callaway			x	x			B	x		
Cedar Cr.	P	14.0	Mouth	21,46N,11W	Callaway			x	x			B	x		
Cedar Cr.	P	[8.0] 7.5	Mouth	[Hwy. 100] 20,44N,8W	Osage			x	x			B	x		
Cedar Cr.	C	[4.5] 4.7	[Hwy. 100] 20,44N,8W	3,43N,8W	Osage			x	x			B			
Cedar Cr.	C	[3.0] 3.3	Mouth	26,46N,21W	Pettis			x	x			B			
Cedar Fk.	C	[9.0] 8.8	Mouth	18,43N,3W	Franklin			x	x			B			
Cedar Fk.	P	[4.0] 3.4	Mouth	9,35N,9E	Perry			x	x			B			
Cedar Fk.	C	[1.0] 1.2	9,35N,9E	16,35N,9E	Perry			x	x			B			
Center Cr.	P	[26.0] 26.8	14,28N,34W	34,28N,31W	Jasper		x	x	x	x		A	x		x
Center Cr.	P	[22.0] 21.0	34,28N,31W	23,27N,29W	Jasper	Newton	x	x	x			A	x		x
Center Cr.	P	[3.0] 4.9	23,27N,29W	17,27N,28W	Newton	Lawrence	x	x	x		x	A	x		x
Center Cr.	P	[4.0] 4.5	17,27N,29W	26,27N,28W	Lawrence			x	x			A			
Chaney Br.	C	[3.0] 4.0	Mouth	6,32N,28W	Barton	Dade		x	x			B			
Chapel Cr.	C	2.0	Mouth	Sur 2149,33N,6E	Madison			x	x			B			
Chapman Br.	C	[1.5] 1.9	Mouth	33,64N,32W	Gentry			x	x			B			
Chariton R.	P	[110.0] 111.0	Mouth	State Line	Chariton	Putnam	x	x	x			A	x		
Charleton Hollow	P	[0.5] 0.3	5,23N,33W	4,23N,33W	McDonald			x	x			B			
Charrette Cr.	P	[10.5] 13.0	Mouth	14,45N,2W	Warren			x	x			A			
Charrette Cr.	P	[6.0] 7.5	14,45N,2W	24,46N,2W	Warren			x	x			A			
Charrette Cr.	C	[5.0] 4.8	24,46N,2W	[9,46N,1W] 8,46N,1W	Warren			x	x			B			
Cheese Cr.	C	[5.6] 4.7	Mouth	09,43N,21W	Pettis	Benton		x	x			B			
Cherry Valley Cr.	C	[3.0] 3.2	Mouth	10,37N,3W	Crawford			x	x			B			
Chesapeake Cr.	P	[3.0] 3.2	Mouth	29,28N,25W	Lawrence			x	x		x	B			

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Cicero Cr.	P	1.0	Mouth	9,38N,1W	Washington			x	x					B	
Cinque Hommes Cr.	P	[20.0] 17.1	Mouth	[Hwy. 51] 28,35N,11E	Perry			x	x					B	
Cinque Hommes Cr.	C	[2.0] 5.0	[Hwy. 51] 28,35N,11E	36,35N,10E	Perry			x	x					B	
Clabber Cr.	C	3.0	Mouth	14,45N,9W	Callaway			x	x					B	
Clammer Br.	C	1.0	Mouth	8,38N,27W	St. Clair			x	x					B	
Clark Br.	C	[8.0] 8.6	Mouth	29,56N,18W	Chariton			x	x					B	
Clark Cr.	P	[4.5] 5.0	Mouth	12,29N,14W	Wright			x	x					B	
Clark Cr.	C	[2.0] 5.6	12,29N,14W	3,28N,14W	Wright			x	x					B	
Clark Cr.	P	[10.0] 11.1	Mouth	20,29N,4E	Wayne			x	x	x				B	
Clark Cr.	C	1.5	20,29N,4E	29,29N,4E	Wayne			x	x					B	
Clark Fk.	C	[7.0] 8.3	Mouth	15,47N,16W	Cooper			x	x					B	
Clark Fk.	P	1.0	Mouth	15,43N,13W	Cole			x	x					B	
Clark Fk.	C	6.0	15,43N,13W	34,43N,13W	Cole			x	x					B	
Clayton Br.	P	2.0	Mouth	20,34N,1E	Iron			x	x					B	
Clayton Br.	C	[1.0] 1.4	20,34N,1E	18,34N,1E	Iron			x	x					B	
Clayton Hollow	C	1.0	Mouth	3,24N,18W	Taney			x	x					B	
Clear Cr.	C	[5.0] 4.7	Mouth	27,56N,10W	Monroe			x	x					B	
Clear Cr.	C	[4.3] 4.8	Mouth	27,42N,23W	Benton			x	x					B	
Clear Cr.	C	4.0	Mouth	11,44N,30W	Cass			x	x					B	
Clear Cr.	P	[15.5] 28.2	[7,37N,27W] Mouth	10,35N,29W	St. Clair	Vernon		x	x					A	
Clear Cr.	C	[15.0] 22.3	10,35N,29W	16,34N,30W	Vernon			x	x					B	
Clear Cr.	P	[15.0] 15.2	Mouth	4,29N,23W	Greene			x	x					B	
Clear Cr.	C	[4.0] 4.3	Mouth	5,47N,5W	Montgomery			x	x					B	
[Clear Cr.] Clear Fk.	C	[2.5] 7.0	Mouth	36,49N,6W	Montgomery			x	x					B	
Clear Cr.	C	[2.0] 1.6	Mouth	16,37N,1W	Washington			x	x					B	
Clear Cr.	C	[5.0] 4.4	Mouth	17,39N,2E	Washington			x	x					B	
Clear Cr.	C	2.0	Mouth	16,39N,6W	Phelps			x	x					B	
Clear Cr.	P	[4.0] 4.2	Mouth	19,36N,2E	Washington			x	x					B	
Clear Cr.	C	[2.0] 2.4	19,36N,2E	13,36N,1E	Washington			x	x					B	
Clear Cr.	C	[12.0] 13.0	Mouth	State Line	Nodaway			x	x						
Clear Cr.	P	[9.0] 11.1	Mouth	28,26N,28W	Newton	Lawrence		x	x					B	
Clear Cr.	C	[2.0] 3.5	28,26N,28W	36,26N,28W	Lawrence	Barry		x	x					B	
Clear Cr.	P	[4.0] 5.0	Mouth	[Hwy. 92] 26,53N,31W	Clay			x	x					B	
Clear Cr.	C	13.5	[Hwy. 92] 6,53N,31W	09,54N,31 W	[Clinton] Clay	Clinton		x	x					B	
Clear Cr.	C	6.0	Mouth	25,59N,26W	Daviess			x	x					B	
Clear Cr.	C	[3.0] 3.3	Mouth	10,57N,5W	Marion			x	x					B	
Clear Cr.	C	5.5	Mouth	22,47N,19W	Cooper			x	x					B	
Clear Fk.	C	1.5	Mouth	32,42N,6W	Gasconade			x	x					B	
Clear Fk.	P	[24.5] 25.8	Mouth	[35,45N,25W] 26,45N,25W	Johnson			x	x					B	x
Clear Fk.	C	[9.4] 10.1	[35,45N,25W] 26,45N,25W	18,44N,24W	Johnson			x	x					B	

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Clear Spring	P	[0.1] 0.3	Mouth	19,28N,08W	Texas			x	x			B			
Cliffy Br.	C	[2.0] 2.3	Mouth	36,44N,15W	Moniteau			x	x			B			
Clifton Cr.	C	[5.0] 5.5	Mouth	10,45N,11W	Callaway			x	x			B			
Clifty Cr.	C	[11.0] 11.4	Mouth	16,27N,12W	Douglas			x	x			B			
Clifty Hollow Cr.	C	2.9	Mouth	11,38N,10W	Maries			x	x			B			
Clubb Cr.	P	[3.0] 3.7	Mouth	2,29N,9E	Bollinger		x	x	x			B			
Clubb Cr.	C	[2.5] 2.1	2,29N,9E	33,30N,9E	Bollinger			x	x			B			
Coakley Hollow	C	[1.0] 1.6	Mouth	9,38N,15W	Camden			x	x			B			
Coal Cr.	P	[3.0] 5.8	Mouth	35,42N,26W	Henry			x	x			B			
Coal Cr.	C	2.0	Mouth	1,65N,26W	Harrison			x	x			B			
Coates Br.	P	3.0	Mouth	36,32N,24W	Polk			x	x			B			
Coatney Cr.	P	2.0	Mouth	15,36N,19W	Dallas			x	x			B			
Cobb Cr.	P	[1.5] 2.1	Mouth	21,33N,14W	Laclede			x	x			B			
Cobb Cr.	C	[1.5] 2.3	21,33N,14W	32,33N,14W	Laclede			x	x			B			
Coffman Hollow	C	1.0	Mouth	14,37N,1W	Washington			x	x			B			
Coldwater Cr.	C	[3.0] 4.6	[34,44N,31W] 34,44N,33W	8,43N,33W	Cass			x	x			B			
Coldwater Cr.	C	[5.5] 6.9	Mouth	[Hwy. 67] 13,47N,6E	St. Louis			x	x			B			x
Coldwater Cr.	P	[4.5] 4.3	Mouth	27,35N,8E	Ste. Genevieve			x	x			B			
Coldwater Cr.	C	[0.5] 0.9	27,35N,8E	33,35N,8E	Ste. Genevieve			x	x			B			
Cole Camp Cr.	P	[16.4] 18.1	Mouth	07,42N,21W	Benton			x	x	x		B			
Cole Camp Cr.	C	[4.3] 4.8	07,42N,21W	[27,43N,21W] 26,43N,21W	Benton			x	x			B	x		
Cole Cr.	C	1.5	Mouth	4,45N,5W	Gasconade			x	x			B			
Cole Cr.	C	2.0	Mouth	17,51N,14W	Howard			x	x			B			
Cole Cr.	C	[5.0] 5.7	Mouth	[Hwy. 70] Sur 3280,47N,4E	St. Charles			x	x			B			
Collier Cr.	C	1.5	Mouth	10,30N,5E	Wayne			x	x			B			
Collier Cr.	C	2.5	Mouth	18,45N,8W	Callaway			x	x			B			
Compton Br.	C	[1.0] 1.7	Mouth	16,36N,1E	Washington			x	x			B			
Comstock Cr.	P	1.0	Mouth	34,34N,33W	Vernon			x	x			B			
Comstock Cr.	C	[5.0] 7.5	34,34N,33W	8,33N,32W	Barton			x	x			B			
[Conn Cr.] Conn Cr.	C	2.0	20,37N,14W	[22,37N,14W] 26,37N,14W	Camden			x	x			B			
[Connor Cr.] Conner Cr.	C	5.0	Mouth	[32,47N,11W] 5,46N,11W	Boone			x	x			B			
Conrad Cr.	P	[3.5] 3.2	Mouth	5,33N,9E	Bollinger			x	x			B			
Conrad Cr.	C	1.5	5,33N,9E	1,33N,8E	Bollinger			x	x			B			
Contrary Cr.	P	1.5	Mouth	13,43N,7W	Osage			x	x			B			
Contrary Cr.	C	[3.5] 4.5	13,43N,7W	9,43N,7W	Osage			x	x			B			
Contrary Cr.	C	10.0	Mouth	30,56N,35W	Buchanan			x	x			B			
Cook Hollow	C	2.0	Mouth	35,25N,21W	[Christian] Taney	Christian		x	x			B			
Coon Cr.	C	[3.0] 3.6	Mouth	24,51N,14W	Boone			x	x			B			
Coon Cr.	C	[9.0] 11.8	Mouth	08,53N,13W	Monroe	Randolph		x	x			B			
Coon Cr.	P	[1.5] 1.9	Mouth	22,30N,14W	Wright			x	x			B			
Coon Cr.	C	[0.5] 1.6	22,30N,14W	17,30N,14W	Wright			x	x			B			
Coon Cr.	C	[13.0] 13.2	Mouth	10,50N,6W	Montgomery			x	x					x	

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Coon Cr.	C	[9.0] 9.2	Mouth	Hwy. 47	Lincoln			x	x			B			
Coon Cr.	C	[5.4] 5.1	Mouth	24,22N,21W	Taney			x	x			B			
Coon Cr.	C	[7.0] 7.5	Mouth	14,30N,30W	Barton	Jasper		x	x			B			
Coon Cr.	C	[8.0] 12.2	Mouth	5,29N,28W	Dade	Lawrence		x	x			B			
Coon Cr.	C	[4.9] 5.8	Mouth	16,45N,22W	Pettis			x	x			B			
Coon Hollow	C	[3.0] 4.4	Mouth	14,28N,07W	Texas			x	x			B			
Cooney Cr.	C	0.8	Mouth	11,40N,20W	Benton			x	x			B			
Coonville Cr.	C	[1.0] 1.3	Mouth	[25,38N,4E] 30,38N,5E	St. Francois			x	x			B			
Cooper Cr.	P	[0.4] 0.9	Mouth	07,22N,21W	Taney			x	x			B			
Cooper Cr.	C	[1.6] 1.1	[06,22N,21W] 07,22N,21W	[07,22N,21W] 06,22N,21W	Taney			x	x			B			
Coopers Cr.	C	[6.5] 7.3	Mouth	6,39N,26W	Henry	St. Clair		x	x			B			
Coppedge Cr.	C	[1.0] 1.2	Mouth	35,39N,7W	Maries			x	x			B			
Corn Cr.	C	1.1	Mouth	36,36N,09W	Phelps			x	x			B			
Cotter Cr.	C	1.5	Mouth	23,40N,4E	Jefferson			x	x			B	x		
Cotton Wood Cr.	C	[3.0] 3.5	Mouth	3,54N,18W	Chariton			x	x			B			
Cottonwood Cr.	C	[1.7] 2.0	Mouth	28,36N,33W	Vernon			x	x			B			
Cottonwood Cr.	C	[3.0] 3.9	Mouth	7,50N,25W	Lafayette			x	x			B			
Cottonwood Cr.	C	[3.5] 4.3	Mouth	5,56N,27W	Caldwell			x	x			B			
Cottonwood Cr.	C	[2.0] 2.4	Mouth	2,55N,25W	Livingston	Carroll		x	x			B			
Courtois Cr.	P	[30.0] 32.0	Mouth	17,35N,1W	Crawford	Washington		x	x	x		A	x		
Courtois Cr.	C	[1.5] 1.7	17,35N,1W	21,35N,1W	Washington	Iron		x	x	x		B			
Cow Br.	C	[5.0] 4.4	Mouth	29,65N,40W	Atchison			x	x			B			
Cow Cr.	C	2.5	Mouth	26,47N,8W	Callaway			x	x				x		
Cow Cr.	C	[1.0] 1.8	Mouth	25,51N,21W	Saline			x	x			B			
Cowskin Cr.	P	5.0	Mouth	33,27N,16W	Douglas			x	x			B			
Cowskin Cr.	C	[3.0] 3.6	[Hwy. 14] 33,27N,16W	[21,27N,16W] 16,27N,16W	Douglas			x	x			B			
Cox Br.	C	2.2	Mouth	[Hwy.V] 10,38N,7W	Phelps			x	x						
[Crabapple Cr.] Trib to Crabapple Cr.	C	[1.5] 1.3	Mouth	2,53N,26W	Ray			x	x			B			
Crabapple Cr.	C	[3.5] 3.8	Mouth	4,55N,27W	Caldwell			x	x			B			
Crabtree Br.	P	1.5	Mouth	[13,34N,25W] 18,34N,25W	Cedar			x	x			B			
Crabtree Br.	C	[1.0] 1.5	[13,34N,25W] 18,34N,25W	[Hwy. 32] 19,34N,25W	Cedar			x	x			B			
Cracked Neck Cr.	P	[1.0] 3.0	[4,29N,26W] Mouth	6,29N,26W	Lawrence			x	x			B			
Crane Cr.	P	[6.9] 8.4	Mouth	[04,36N,21W] 09,36N,21W	Hickory			x	x			B			
Crane Cr.	C	3.4	[04,36N,21W] 09,36N,21W	12,36N,21W	Hickory			x	x			B			
Crane Cr.	P	[4.5] 5.9	Mouth	8,25N,23W	Stone			x	x			A	x		
Crane Cr.	P	[13.5] 13.2	8,25N,23W	[Lawrence Co. Line] 19,26N,24W	Stone			x	x		x	A	x		
Crane Pond Cr.	P	[9.0] 12.7	Mouth	33,32N,4E	Wayne	Iron		x	x			B			

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Crane Pond Cr.	C	1.0	[33,32N,4E] Mouth	[32,32N,4E] 33,32N,4E	Iron			x	x					B	
Craven Ditch	C	[11.0] 11.6	Mouth	16,24N,6E	Butler		x	x	x						
Crawford Cr.	C	5.0	Mouth	32,46N,29W	Cass			x	x					B	
Creve Coeur Cr.	P	[3.0] 2.1	Mouth	Creve Coeur Lake	St. Louis			x	x					B	
Creve Coeur Cr.	C	[2.0] 3.8	Creve Coeur Lk	[1 Mi. S. of Hwy 340] 6,45N,5E	St. Louis			x	x					B	
Crider Cr.	P	[5.0] 4.7	Mouth	30,42N,6W	Gasconade			x	x					B	
Crider Cr.	C	[4.0] 3.4	30,42N,6W	[36,42N,7W] 2,42N,7W	Gasconade	Osage		x	x					B	
Crooked Br.	C	1.0	Mouth	22,24N,11W	Ozark			x	x					B	
Crooked Cr.	C	[22.0] 31.4	Mouth	1,56N,12W	Monroe	Shelby		x	x					B	
Crooked Cr.	C	[3.5] 4.0	Mouth	15,50N,5W	Montgomery			x	x					B	
Crooked Cr.	P	[18.0] 19.7	Mouth	36,35N,4W	Crawford	Dent		x	x	x				A	
Crooked Cr.	C	1.0	36,35N,4W	6,34N,3W	Dent			x	x					B	
Crooked Cr.	P	3.5	Mouth	33,35N,2W	Crawford			x	x	x				A	
Crooked Cr.	P	1.5	Mouth	10,48N,1E	Lincoln			x	x					B	
Crooked Cr.	C	7.0	10,48N,1E	11,48N,1W	Lincoln			x	x					B	
Crooked Cr.	C	[2.5] 2.8	Mouth	12,59N,33W	Dekalb			x	x					B	
[Crooked Cr.] Crooked Br.	C	3.1	Mouth	31,45N,30W	Cass			x	x					B	
Crooked Cr.	C	[3.0] 4.0	Mouth	12,60N,34W	Andrew			x	x					B	
Crooked Cr.	C	5.3	Mouth	06,44N,23W	Johnson	Pettis		x	x					B	
Crooked Cr.	C	[2.0] 2.3	Mouth	30,59N,23W	Livingston			x	x					B	
Crooked Cr.	P	[39.0] 44.8	Mouth	17,32N,9E	Cape Girardeau	Bollinger	x	x	x					A	x
Crooked Cr.	C	1.0	17,32N,9E	8,32N,9E	Bollinger			x	x					B	
Crooked R.	P	[53.5] 58.1	Mouth	3,54N,29W	Ray			x	x					B	
Crooked R.	C	[6.5] 7.5	3,54N,29W	25,55N,30W	[Caldwell] Ray	Clinton		x	x					B	
Crossville Br.	C	2.0	[26,33N,3W] Mouth	28,33N,3W	Reynolds			x	x					B	
Crows Cr.	C	[1.5] 1.8	Mouth	3,39N,2W	Crawford			x	x					B	
Crows Fork Cr.	C	[11.0] 12.7	Mouth	35,48N,9W	Callaway			x	x					B	
Cub Cr.	P	[6.0] 6.6	Mouth	13,35N,1W	Washington			x	x					B	
Cub Cr.	C	1.0	13,35N,1W	18,35N,1E	Washington			x	x					B	
Cuivre R.	P1	[9.0] 11.6	Mouth	[Hwy. 79] Sur 1795,48N,2E	St. Charles			x	x					B	x
Cuivre R.	P	[35.0] 30.0	[Hwy. 79] Sur 1795, 48N,2E	[11,49N,1W] 14,49N,1W	St. Charles	Lincoln		x	x					A	x
Current R.	P	[118.0] 124.0	State Line	24,31N,6W	Ripley	Shannon	x	x	x	x				A	x
Current R.	P	[19.0] 18.8	24,31N,6W	Montauk Spring	Shannon	Dent		x	x		x			A	x
Cypress Cr.	C	[3.0] 3.2	Mouth	24,23N,3E	Ripley			x	x					B	
Cypress Cr.	C	[13.0] 15.8	Mouth	18,62N,27W	Daviess	Harrison		x	x					B	
Cypress Ditch #1	C	[9.0] 9.7	State Line	1,22N,4E	Ripley			x	x					B	
Cypress Ditch Lat.	P	8.0	Mouth	20,25N,9E	Stoddard			x	x					B	
Cypress Ditch Lat.	C	[6.0] 6.5	20,25N,9E	29,26N,9E	Stoddard			x	x					B	
Dan R.	C	2.5	32,23N,7E	20,23N,7E	Butler			x	x					B	
Dardenne Cr.	P1	7.0	Mouth	Sur 1704,47N,4E	St. Charles			x	x					B	x

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Dardenne Cr.	P	[15.0] 16.5	Sur 1704, 47N,4E	22,46N,2E	St. Charles			x	x			B		x	
Dardenne Cr.	C	[6.0] 8.5	22,46N,2E	22,46N,1E	St. Charles			x	x			B			
Dark Cr.	C	[8.0] 9.1	Mouth	34,55N,15W	Randolph			x	x			B			
Darrow Br.	C	1.0	Mouth	1,44N,9W	Osage			x	x			B			
Davis Br.	C	4.0	Mouth	2,28N,18W	Webster			x	x			B			
Davis Cr.	C	[5.0] 8.8	Mouth	30,51N,9W	Audrain			x	x			B			
Davis Cr.	C	[2.5] 2.9	Mouth	6,34N,22W	Polk			x	x			B			
Davis Cr.	P	[1.0] 1.2	Mouth	12,29N,20W	Greene			x	x			B			
Davis Cr.	C	3.0	12,29N,20W	2,29N,20W	Greene			x	x			B			
Davis Cr.	C	[4.0] 4.2	Mouth	13,23N,10W	Howell			x	x			B			
Davis Cr.	P	3.5	[6,61N,38W] Mouth	21,62N,38W	Holt			x	x			B			
Davis Cr.	P	[25.0] 25.8	Mouth	8,48N,26W	Saline	Lafayette		x	x			B			
Davis Cr.	C	[11.4] 12.2	[8,48N,27W] 8,48N,26W	[07,48N,26W] 7,48N,27W	Lafayette			x	x			B		x	
Davis Cr. Ditch	C	[6.5] 6.7	Mouth	6,61N,38W	Holt			x	x			B			
[Davis Hollow] Off Davis Hollow	C	3.5	Mouth	29,22N,26W	Barry			x	x			A			
Davisville Hollow	C	[2.0] 2.2	Mouth	31,36N,2W	Crawford			x	x			B			
Day Hollow	C	1.0	Mouth	36,39N,1W	Washington			x	x			B			
[Dead Oak Cr.] Dead Oak Br.	C	1.0	Mouth	2,55N,26W	Caldwell			x	x			B			
Deane Cr.	P	[1.5] 1.3	Mouth	17,38N,14W	Miller			x	x			A		x	
Deane Cr.	C	2.0	20,38N,14W	29,38N,14W	Camden			x	x			B			
Deberry Cr.	C	[0.5] 0.9	Mouth	26,37N,14W	Camden			x	x			[B]			
Decker Br.	C	[1.9] 2.1	Mouth	35,36N,22W	Hickory			x	x			B			
Deepwater Cr.	C	[8.0] 9.8	Mouth	Montrose Lk Dam	Henry			x	x			B			
Deepwater Cr.	C	[12.0] 5.6	35,41N,28W	[18,40N,29W] 5,40N,28W	Henry	Bates		x	x			B			
Deer Cr.	P	11.7	Mouth	21,39N,20W	Benton			x	x	x		B			
Deer Cr.	C	[2.3] 3.3	21,39N,20W	03,38N,20W	Benton	[Hickory]		x	x			B			
Deer Cr.	C	[0.5] 1.3	Mouth	12,41N,26W	Henry			x	x			B			
Deer Cr.	P	[4.0] 5.6	Mouth	4,32N,21W	Polk			x	x			B			
Deer Cr.	P	[0.5] 0.8	Mouth	[Hwy. 100] 20,45N,8W	Osage			x	x			B			
Deer Cr.	C	[4.0] 4.4	[Hwy. 100] 20,45N,8W	34,45N,8W	Osage			x	x			B			
Deer Cr.	P	1.6	Mouth	1930,45N,6E	St. Louis City	St. Louis		x	x			B		x	
Dent Br.	C	1.0	Mouth	Sur 2374,36N,2E	Washington			x	x			B			
Des Moines R.	P	[29.0] 31.3	Mouth	State Line	Clark			x	x			A		x	
Devils Den Hollow	C	[1.0] 1.2	Mouth	[2,33N,4E] 11,33N,4E	Iron			x	x			B			
Dew Pond Hollow	C	[3.2] 2.7	Mouth	15,30N,07W	Texas			x	x			B			
Dickerson Cr.	C	[1.5] 1.3	Mouth	Binder Lake Dam	Cole			x	x			B			
Dicks Cr.	C	[7.0] 7.3	Mouth	33,54N,33W	Platte			x	x					x	
Dicks Fk.	C	[2.0] 5.0	Mouth	28,32N,31W	Barton			x	x			B			
Dicky Cr.	C	[0.5] 1.1	Mouth	14,26N,15W	Douglas			x	x			B			

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Dillard Cr.	P	1.5	Mouth	22,31N,11E	Cape Girardeau			x	x			B			
Dillard Cr.	C	1.0	22,31N,11E	16,31N,11E	Cape Girardeau			x	x			B			
Dillon Cr.	C	[4.0] 4.8	Mouth	33,59N,35W	Andrew			x	x			B	x		
Dirt House Hollow	C	1.9	Mouth	28,29N,07W	Texas			x	x			B			
Ditch #1	C	[10.0] 9.0	Mouth	20,23N,9E	Dunklin			x	x			B			
Ditch #1	P	[6.0] 7.6	13,27N,8E	19,28N,9E	Stoddard	Bollinger		x	x			B			
Ditch #1	C	2.0	19,28N,9E	16,28N,9E	Bollinger			x	x			B			
Ditch #1	P	[2.5] 2.8	30,16N,10E	17,16N,10E	Dunklin			x	x			B			
Ditch #1	P	[17.0] 17.6	3,24N,13E	15,27N,13E	New Madrid	Scott		x	x			B			
Ditch #1	C	[3.0] 3.3	[15,27N,13E] 16,27N,13E	4,27N,13E	Scott			x	x			B			
Ditch #1	P	86.0	State Line	27,29N,12E	Dunklin	Scott		x	x	x		B	x		
Ditch #1	C	[4.0] 4.3	27,29N,12E	12,29N,12E	Scott			x	x	x		B	x		
Ditch #1	P	[6.0] 7.3	Mouth	16,21N,9E	Dunklin			x	x			B			
Ditch #1	C	[3.0] 3.3	16,21N,9E	6,21N,9E	Dunklin			x	x			B			
Ditch #10	P	3.5	32,27N,8E	17,27N,8E	Stoddard	Wayne		x	x			B			
Ditch #10	C	2.5	17,27N,8E	4,27N,8E	Wayne			x	x			B			
Ditch #10	C	[2.5] 2.7	20,23N,15E	5,23N,15E	New Madrid			x	x			B			
Ditch #101	C	[3.0] 3.5	[Mouth] 34,28N,9E	19,28N,10E	Bollinger			x	x			B			
Ditch #104	C	12.5	Mouth	13,25N,13E	New Madrid			x	x			B			
Ditch #11	P	6.0	32,27N,8E	13,27N,8E	Stoddard			x	x			B			
Ditch #11	C	3.0	7, 24N, 8E	1, 25N, 7E	Butler			x	x			B			
Ditch #110	C	[2.5] 3.1	5,28N,11E	20,29N,11E	Stoddard	Cape Girardeau		x	x			B			
Ditch #16	C	11.2	33, 24N, 8E	7, 25N, 8E	Butler			x	x						
Ditch #17	C	[7.0] 7.5	Mouth	31,28N,11E	Stoddard			x	x			B			
Ditch #2	P	[2.0] 3.2	State Line	30,22N,4E	Ripley			x	x			B			
Ditch #2	C	[8.0] 6.0	30,22N,4E	2,22N,4E	Ripley			x	x			B			
Ditch #2	P	[4.5] 4.9	Mouth	35,28N,8E	Stoddard	Wayne		x	x			B			
Ditch #2	C	[4.0] 4.9	23,17N,12E	36,18N,12E	Pemiscot			x	x			B			
Ditch #2	P	17.0	11,20N,10E	24,23N,10E	New Madrid			x	x			B			
Ditch #22	C	7.0	Mouth	[11,23N,8E] 2,23N,8E	Butler			x	x			B			
Ditch #23	C	[6.0] 5.8	Mouth	34,24N,8E	Butler			x	x			B			
Ditch #24	P	12.0	23,26N,12E	6,27N,12E	Stoddard			x	x			B			
Ditch #24	C	[3.0] 3.9	6,27N,12E	22,28N,11E	Stoddard			x	x			B			
Ditch #25	P	1.0	15,28N,11E	9,28N,11E	Stoddard			x	x			B			
Ditch #25	C	2.5	9,28N,11E	5,28N,11E	Stoddard			x	x			B			
Ditch #251	P	44.0	State Line	26,22N,12E	Dunklin	New Madrid		x	x			B	x		
Ditch #258	P	10.0	27,19N,10E	9,20N,11E	Dunklin	Pemiscot		x	x			B	x		
Ditch #258	C	5.0	9,20N,11E	25,21N,11E	New Madrid			x	x			B			
Ditch #259	P	[26.0] 26.3	State Line	31,20N,11E	Dunklin	Pemiscot		x	x			B	x		
Ditch #26	P	3.0	Mouth	33,29N,11E	Stoddard	Cape Girardeau		x	x			B			
Ditch #26	C	[1.0] 1.3	33,29N,11E	28,29N,11E	Cape Girardeau			x	x			B			
Ditch #27	P	4.5	15,28N,11E	22,29N,11E	Stoddard	Cape Girardeau		x	x			B			

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Ditch #287	P	[5.0] 4.8	6,27N,11E	15,28N,11E	Stoddard			x	x			B			
Ditch #290	P	[10.0] 9.2	19,20N,11E	12,21N,11E	Dunklin	New Madrid		x	x			B			
Ditch #290	C	[5.0] 5.3	12,21N,11E	21,22N,12E	New Madrid			x	x			B			
Ditch #293	P	[2.0] 2.9	19,20N,11E	12,20N,10E	Pemiscot			x	x			B			
Ditch #3	C	[1.5] 2.4	[14,27N,8E] Mouth	11,27N,8E	Stoddard			x	x			B			
Ditch #3	P	2.0	4,18N,9E	28,19N,9E	Dunklin			x	x			B			
Ditch #3	C	0.5	28,19N,9E	27,19N,9E	Dunklin			x	x			B			
Ditch #3	P	[7.5] 8.1	6,16N,12E	4,17N,12E	Pemiscot			x	x			B			
Ditch #3	P	[19.0] 18.3	12,20N,10E	6,23N,11E	New Madrid	Stoddard		x	x			B			
Ditch #30	P	4.5	Mouth	1,27N,11E	Stoddard			x	x			B			
Ditch #33	P	[11.0] 11.8	Mouth	14,28N,11E	Stoddard			x	x			B			
Ditch #33	C	2.0	14,28N,11E	2,28N,11E	Stoddard			x	x			B			
Ditch #34	C	4.5	Mouth	25,29N,11E	Stoddard	Cape Girardeau		x	x			B			
Ditch #34	C	9.0	Mouth	24,28N,12E	Stoddard			x	x			B			
Ditch #35	C	[9.0] 9.2	Mouth	3,27N,12E	Stoddard			x	x			B			
Ditch #36	P	[7.0] 7.8	Mouth	21,19N,10E	Dunklin			x	x			B			
[Ditch #36] Main Ditch #36	C	[2.0] 1.8	21,19N,10E	9,19N,10E	Dunklin			x	x			B			
Ditch #4	C	1.5	22,27N,8E	11,27N,8E	Stoddard			x	x			B			
Ditch #4	C	[3.0] 3.5	4,17N,12E	20,18N,12E	Pemiscot			x	x			B			
Ditch #4	P	[9.5] 8.9	34,26N,13E	22,27N,13E	New Madrid	Scott		x	x			B			
Ditch #4	C	4.0	22,27N,13E	33,28N,13E	Scott			x	x			B			
Ditch #4	C	14.0	Mouth	6,22N,11E	Pemiscot	New Madrid		x	x			B			
Ditch #41	C	5.0	Mouth	28,23N,12E	New Madrid			x	x			B			
Ditch #42	C	[18.5] 18.2	Mouth	29,25N,12E	New Madrid	Stoddard		x	x			B			
Ditch #5	C	1.0	28,27N,8E	21,27N,8E	Stoddard			x	x			B			
Ditch #5	P	2.0	12,16N,11E	6,16N,12E	Pemiscot			x	x			B			
Ditch #6	P	1.0	29,27N,8E	21,27N,8E	Stoddard			x	x			B			
Ditch #6	P	[16.5] 16.0	Mouth	15,18N,12E	Pemiscot			x	x			B			
Ditch #6	C	4.5	15,18N,12E	2,18N,12E	Pemiscot			x	x			B			
Ditch #6	P	[7.0] 7.8	Mouth	16,22N,11E	New Madrid			x	x			B			
Ditch #6	C	[22.0] 23.3	16,22N,11E	26,26N,11E	New Madrid	Stoddard		x	x			B			
Ditch #66	C	2.0	Mouth	33,20N,11E	Pemiscot			x	x			B			
Ditch #66	P	25.0	State Line	1,19N,10E	Pemiscot			x	x			B			
Ditch #7	P	3.0	Mouth	22,16N,11E	Pemiscot			x	x			B			
Ditch #7	C	[6.0] 6.7	Mouth	15,22N,11E	New Madrid			x	x			B			
Ditch #79	P	[9.5] 11.0	[9,16N,9E] 4,16N,9E	28,18N,10E	Dunklin			x	x			B			
Ditch #8	C	[20.5] 19.1	12,21N,11E	1,24N,11E	New Madrid	Stoddard		x	x				x		
Ditch #80	P	0.5	[8,16N,9E] 4,16N,9E	[9,16N,9E] 4,16N,9E	Dunklin			x	x			B			
Ditch #81	P	24.0	State Line	11,19N,10E	Dunklin	Pemiscot		x	x			B			
Ditch #84	P	6.0	11,19N,10E	11,20N,10E	Pemiscot			x	x			B			
Ditch #9	P	[6.0] 5.6	17,20N,11E	22,21N,11E	Pemiscot	New Madrid		x	x			B			
Ditch #9	C	[2.5] 3.0	22,21N,11E	12,21N,11E	New Madrid			x	x			B			

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Ditch Cr.	P	1.8	Mouth	[12,40N,03E] 12,40N,02E	Jefferson			x	x			A			
Ditch to Black R.	P	[11.0] 9.5	Mouth	3,23N,7E	Butler		x	x	x			B			
Ditch to Black R.	C	[11.0] 10.7	3,23N,7E	9,25N,7E	Butler		x	x	x			B		x	
[Ditch to Black R.] Blue Spring Slough	C	[12.0] 15.8	34,24N,7E	35,26N,7E	Butler			x	x			B			
[Ditch to Buffalo Ditch] Pole Cat Slough	P	[12.0] 12.6	Mouth	2,18N,9E	Dunklin			x	x			B			
Ditch to Ditch #1	C	[1.0] 1.2	Mouth	28,23N,9E	Dunklin			x	x			B			
Ditch to Ditch #1	C	[4.5] 4.9	Mouth	34,30N,12E	Scott	Cape Girardeau		x	x			B			
Ditch to Ditch #1	P	[6.0] 7.0	Mouth	33,30N,12E	Scott	Cape Girardeau		x	x			B			
Ditch to Ditch #1	P	[6.0] 3.7	Mouth	16,29N,12E	Scott	Cape Girardeau		x	x			B			
Ditch to Ditch #101	C	[2.0] 1.6	Mouth	13,28N,9E	Bollinger			x	x			B			
Ditch to Ditch #2	P	1.5	Mouth	24,22N,3E	Ripley			x	x			B			
Ditch to Ditch #3	P	2.0	Mouth	30,17N,12E	Pemiscot			x	x			B			
Ditch to Ditch #5	C	2.0	Mouth	24,16N,11E	Pemiscot			x	x			B			
Ditch to Ditch #6	C	[1.5] 2.0	Mouth	29,18N,12E	Pemiscot			x	x			B			
[Ditch to Pike Cr.]	[C]	[3.0]	[Mouth]	[30,23N,6E]	[Butler]		[x]	[x]				[B]			
Ditter Cr.	C	1.2	Mouth	03,41N,23W	Benton			x	x			B			
Doe Cr.	C	[5.0] 6.1	Mouth	4,50N,15W	Howard			x	x			B			
Doe Run Cr.	P	[5.0] 6.1	Mouth	27,35N,5E	St. Francois			x	x			B			
Doe Run Cr.	C	[2.5] 3.5	27,35N,5E	20,35N,5E	St. Francois			x	x			B			
Dog Cr.	P	[2.0] 2.9	Mouth	12,40N,14W	Miller			x	x			B			
Dog Cr.	C	7.0	12,40N,14W	[5,39N,14W] 4,39N,14W	Miller			x	x						
Dog Cr.	C	[5.0] 5.7	Mouth	9,58N,28W	Daviess			x	x			B			
Dog Hollow	C	2.0	Mouth	30,33N,14E	Cape Girardeau			x	x			B			
Dooling Cr.	P	1.5	Mouth	[Hwy. 100] 11,45N,8W	Osage			x	x			B			
Dooling Cr.	C	1.0	[Hwy. 100] 11,45N,8W	11,45N,8W	Osage			x	x			B			
Doolittle Cr.	C	2.3	Mouth	03,29N,12W	Texas			x	x			B			
Doss Br.	P	[2.0] 2.2	Mouth	17,38N,2W	Crawford			x	x			B			
Doss Br.	C	2.0	17,38N,2W	15,38N,2W	Crawford			x	x			B			
Double Br.	C	[6.0] 5.8	Mouth	19,39N,30W	Bates			x	x			B		x	
[Douger Br.] Chat Cr.	C	[4.5] 2.1	[Mouth] 11,26N,26W	7,26N,25W	Lawrence			x	x			B		x	
Douger Br.	C	3.1	Mouth	11,26N,26W	Lawrence			x	x						
Douglas Br.	C	4.3	Mouth	13,36N,32W	Vernon			x	x			B			
Dousinbury Cr.	P	[3.5] 3.9	Mouth	17,33N,18W	Dallas			x	x			B			
Dousinbury Cr.	C	2.0	17,33N,18W	15,33N,18W	Dallas			x	x			B			
Dove Cr.	C	2.0	Mouth	12,29N,13W	Wright			x	x			B			
Doxies Cr.	C	[9.0] 12.4	Mouth	5,51N,16W	Chariton	Howard		x	x			B			
Drunken Cr.	P	[0.5] 1.0	Mouth	[1,30N,10E] Sur1200,30N,10E	Bollinger			x	x			B			

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Drunken Cr.	C	1.5	[1,30N,10E] Sur 1200,30N,10E	[Hwy. 34] 34,31N,10E	Bollinger			x	x				B		
Dry Auglaize Cr.	P	[5.0] 5.2	24,38N,15W	22,38N,15W	Camden			x	x			A	x		
Dry Auglaize Cr.	C	[32.0] 34.5	22,38N,15W	8,35N,15W	Camden	Laclede		x	x			A	x		
Dry Auglaize Cr.	P	[7.0] 7.6	8,35N,15W	2,34N,16W	Laclede			x	x			B			
Dry Bone Cr.	C	[1.0] 1.8	Mouth	20,30N,7W	Texas			x	x			B			
Dry Br.	[C]P	[4.0] 3.6	Mouth	6,28N,23W	Greene			x	x			B			
Dry Br.	[P]C	[2.0] 1.7	6,28N,23W	7,28N,23W	Greene			x	x			B			
Dry Br.	C	[2.0] 2.6	Mouth	Sur 1710,51N,1W	Lincoln			x	x			B			
Dry Br.	C	[4.0] 5.1	Mouth	3,49N,2W	Lincoln			x	x			B			
Dry Br.	C	[5.0] 5.3	Mouth	4,39N,1E	Washington			x	x			B			
[Dry Br.] Dry Fk.	C	[9.0] 10.2	Mouth	8,29N,30W	Jasper			x	x			A			
Dry Cr.	P	[1.5] 1.3	Mouth	27,39N,9W	Maries			x	x			B			
Dry Cr.	C	1.5	27,39N,9W	29,39N,9W	Maries			x	x			B			
Dry Cr.	P	[4.0] 5.0	Mouth	14,37N,3W	Crawford			x	x		x	A			
Dry Cr.	C	[8.0] 8.3	14,37N,3W	16,36N,3W	Crawford			x	x			B			
Dry Cr.	C	[3.0] 3.5	Mouth	24,36N,3E	Washington			x	x			B			
Dry Cr.	C	1.0	Mouth	27,36N,4E	St. Francois			x	x			B			
Dry Cr.	C	5.0	Mouth	12,24N,25W	Stone	Barry		x	x			B			
Dry Cr.	C	15.0	Mouth	8,25N,9W	Douglas	Howell		x	x			B			
Dry Cr.	C	1.5	Mouth	1,24N,13W	Ozark			x	x			B			
Dry Cr.	P	1.0	Mouth	9,28N,3E	Wayne			x	x			B			
Dry Cr.	C	[2.0] 2.7	9,28N,3E	32,29N,3E	Wayne			x	x			B			
Dry Cr.	C	4.5	Mouth	27,32N,6E	Madison			x	x			B			
Dry Cr.	P	[8.2] 9.3	Mouth	25,40N,03E	Jefferson			x	x			B			
Dry Cr.	C	[3.0] 2.8	Mouth	11,48N,21W	Saline			x	x			B			
Dry Cr.	P	[7.5] 8.8	Mouth	32,30N,10E	Bollinger			x	x			B			
Dry Cr.	C	[3.0] 4.5	32,30N,10E	24,30N,9E	Bollinger			x	x			B			
Dry Fk.	P	4.0	Mouth	35,47N,6W	Montgomery			x	x			B			
Dry Fk.	C	[2.0] 3.3	35,47N,6W	10,46N,6W	Montgomery			x	x			B			
Dry Fk.	C	[2.0] 2.3	Mouth	22,35N,9E	Perry			x	x			B			
Dry Fk.	C	[2.5] 3.2	Mouth	18,35N,12E	Perry			x	x			B			
Dry Fk.	C	[2.0] 3.4	[5,28N,27W] Mouth	29,29N,27W	Lawrence			x	x			B			
Dry Fk.	C	[2.0] 2.4	Mouth	11,46N,11W	Callaway			x	x			B			
Dry Fk.	C	2.0	Mouth	20,50N,17W	Howard			x	x			B			
Dry Fk.	C	[3.0] 3.6	Mouth	28,45N,16W	Moniteau			x	x			B			
[Dry Fk. Cr.] Dry Fk.	P	[7.0] 7.7	Mouth	8,34N,23W	Polk			x	x			B			
[Dry Fk. Cr.] Dry Fk.	C	1.0	8,34N,23W	8,34N,23W	Polk			x	x			B			
[Dry Fk. Cr.] Dry Fk.	P	[21.5] 23.3	Mouth	22,37N,7W	Phelps		x	x	x			B			
[Dry Fk. Cr.] Dry Fk.	C	[24.0] 27.0	22,37N,7W	20,35N,6W	Phelps	Dent		x	x			B			
Dry Fk. Cr.	P	4.0	20,35N,6W	29,35N,6W	Dent			x	x			B			

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Dry Fk. Cr.	C	[10.0] 11.1	29,35N,6W	25,34N,7W	Dent			x	x			B			
[Dry Fk. Cr.] Dry Fk.	P	[13.0] 12.7	Mouth	35,41N,6W	Gasconade			x	x			B			
Dry Fk. Cr.	C	13.0	[25,41N,7W] 35,41N,6W	[6,39N,7W] 6,40N,7W	Gasconade	Maries		x	x			B	x		
Dry Hollow	C	[5.5] 5.1	[34,22N,27W] Mouth	31,22N,27W	Barry			x	x			B			
Dry Hollow	C	2.5	Mouth	34,24N,16W	Ozark			x	x			B			
Dry Hollow	C	0.5	[15,28N,28W] Mouth	22,28N,28W	Lawrence			x	x						
Dry Valley Br.	P	[1.0] 1.6	Mouth	26,27N,29W	Newton			x	x			B			
Dry Valley Br.	C	[2.0] 1.3	26,27N,29W	25,27N,29W	Newton	Lawrence		x	x						
Dry Valley Cr.	C	[2.0] 2.3	Mouth	1,34N,5W	Dent			x	x			B			
[Drywood Cr.] Dry Wood Cr.	P	[25.0] 29.9	Mouth	[21,33N,33W] 4,32N,33W	Vernon	Barton		x	x			B			
Dubois Cr.	P	[2.0] 3.0	Mouth	[Hwy. 100] Sur 404,44N,1E	Franklin			x	x			B			
Dubois Cr.	C	[4.0] 4.8	[Hwy. 100] Sur 404, 44N,1E	[Hwy. 47] 11,43N,1W	Franklin			x	x			B			
Duck Cr.	C	3.4	Mouth	32,43N,23W	Henry	Benton		x	x			B			
Duck Cr.	C	[5.0] 5.3	Mouth	21,27N,9E	Stoddard			x	x			B	x		
Duck Cr.	C	[5.5] 6.9	Mouth	16,58N,14W	Macon			x	x			B			
Dudley Main Ditch	P	[7.0] 6.4	Mouth	34,25N,9E	Stoddard			x	x			B			
Dudley Main Ditch	C	[0.5] 0.8	34,25N,9E	27,25N,9E	Stoddard			x	x			[B]			
Dulin Cr.	P	1.4	Mouth	09,42N,04E	Jefferson			x	x			B			
Duncan Cr.	C	[2.0] 2.6	Mouth	8,37N,33W	Vernon			x	x			B			
Duncan Cr.	C	[2.5] 3.2	Mouth	22,38N,10W	Phelps			x	x			B			
Dunlap Cr.	C	0.5	Mouth	13,47N,9W	Callaway			x	x			B			
Dunn Spring Cr.	C	[2.0] 2.3	Mouth	34,44N,1E	Franklin			x	x			B			
Duran Cr.	C	[7.0] 8.1	Mouth	02,41N,22W	Benton			x	x			B			
Durington Cr.	C	[4.0] 4.6	Mouth	06,34N,19W	Dallas			x	x			B			
Duskin Cr.	C	2.0	Mouth	13,32N,13E	Cape Girardeau			x	x			B			
Dutch Cr.	P	1.6	Mouth	27,42N,03E	Jefferson			x	x			B			
Dutchtown Ditch	P	10.0	Mouth	25,30N,12E	Cape Girardeau			x	x			B			
Dutro Carter Cr.	C	0.5	[Hwy. 72] 18,37N,7W	[Hwy. 0] 18,37N,7W	Phelps			x	x			B			
Dutro Carter Cr.	P	1.5	Mouth	[Hwy. 72] 18,37N,7W	Phelps			x	x			B			
Duval Cr.	C	7.0	Mouth	13,30N,32W	Jasper			x	x			B			
Dyer Rock Cr.	C	[5.9] 5.1	Mouth	03,49N,24W	Lafayette			x	x			B			
E. Bear Cr.	C	[1.0] 1.2	Mouth	33,46N,25W	Johnson			x	x			B			
E. Br. Crawford Cr.	C	[2.0] 4.0	32,46N,29W	20,46N,29W	Cass			x	x			B			
E. Br. Elkhorn Cr.	C	[3.0] 4.7	Mouth	[18,63N,36W] 19,63N,36W	Nodaway			x	x			B			
E. Br. Squaw Cr.	C	[4.0] 4.2	Mouth	5,62N,38W	Holt			x	x			B			
E. Brush Cr.	C	[8.0] 9.0	Mouth	16,45N,15W	Moniteau			x	x			B			
E. Chan. Whitewater R.	C	[4.5] 4.8	Mouth	16,28N,12E	Scott			x	x			B			
E. Cow Cr.	C	[2.0] 2.2	[25,51N,21W] Mouth	19,51N,20W	Saline			x	x			B			
E. Ditch #1	P	22.0	Mouth	11,22N,10E	Dunklin	New Madrid		x	x			B	x		

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E. Ditch #1	C	3.0	11,22N,10E	[26,23N,10E] 27,23N,10E	New Madrid			x	x			B			
E. Fk. Big Cr.	P	[21.0] 18.4	9,63N,28W	5,64N,27W	Harrison			x	x			B		x	
E. Fk. Big Cr.	C	[19.0] 21.1	5,64N,27W	State Line	Harrison			x	x			B	x	x	
E. Fk. Big Cr.	P	1.4	29,31N,7E	21,31N,7E	Madison			x	x			A			
E. Fk. Big Muddy Cr.	C	2.0	3,65N,29W	35,66N,29W	Harrison			x	x			B			
E. Fk. Black R.	P	[17.0] 17.1	Mouth	29,34N,3E	Reynolds	Iron		x	x			A		x	
E. Fk. Black R.	C	[1.0] 0.7	29,34N,3E	21,34N,3E	Iron			x	x			B			
E. Fk. Bull Cr.	C	[3.0] 2.4	Mouth	23,26N,20W	Christian			x	x			B			
[E. Fk. Chariton R.]	P	[48.5] 74.0	Mouth	[Long Br. Dam] 7,57N,14W	Chariton	Macon	x	x	x			B		x	
E. Fk. Little Chariton R.															
E. Fk. Chariton R.	C	[11.0] 17.8	[25,59N,15W] Mouth	11,60N,15W	Macon			x	x			B		x	
E. Fk. Crooked R.	P	[14.0] 19.9	Mouth	[32,54N,27W] 29,54N,27W	Ray			x	x			B			
E. Fk. Crooked R.	C	[8.0] 6.4	[32,54N,27W] 29,54N,27W	5,54N,27W	Ray			x	x			B			
E. Fk. Drywood Cr.	C	[10.0] 13.5	Mouth	8,32N,32W	Barton			x	x			B			
E. Fk. Fishing R.	C	[11.5] 12.9	Mouth	20,53N,29W	Clay	Ray		x	x			B			
E. Fk. Fourche Cr.	P	3.0	Mouth	[10,22N,1E] 3,22N,1E	Ripley			x	x			B			
E. Fk. Fourche Cr.	C	[2.0] 2.4	[10,22N,1E] 3,22N,1E	[Hwy. 142] 35,23N,1E	Ripley			x	x			B			
E. Fk. Grand R.	P	[25.0] 28.7	Mouth	29,66N,30W	Gentry	Worth	x	x	x			A	x	x	
E. Fk. Grand R.	C	6.5	29,66N,30W	10,66N,30W	Worth			x	x			B			
[E. Fk. Honey Cr.]	C	[8.0] 13.6	29,63N,23W	[3,64N,23W] 2,64N,23W	Grundy	Mercer		x	x				x		
E. Honey Cr.															
E. Fk. Huzzah Cr.	P	[5.0] 5.5	1,34N,3W	20,34N,2W	Dent			x	x			B			
E. Fk. Huzzah Cr.	C	2.0	20,34N,2W	29,34N,2W	Dent			x	x			B			
E. Fk. L. Blue R.	P	1.0	Mouth	27,49N,31W	Jackson			x	x			B			
E. Fk. L. Blue R.	C	[5.0] 3.7	27,49N,31W	[Lake Jacomo Dam] Blue Springs Lake	Jackson			x	x			B			
E. Fk. L. Gravois Cr.	C	[3.0] 3.3	Mouth	3,40N,15W	Miller			x	x			B			
E. Fk. L. Tarkio Cr.	C	[16.5] 17.8	Mouth	21,65N,38W	Holt	Atchison	x	x	x			B			
[E. Fk. Locust Cr.]	[P]	[3.6]	[23,62N,20W]	[Hwy. 6]	[Sullivan]			[x]	[x]						
E. Fk. Locust Cr.	P	[13.0] 16.7	Mouth	[23,62N,20W] 2,62N,20W	Sullivan			x	x			B			
E. Fk. Locust Cr.	C	[13.0] 15.7	[Hwy 6] 2,62N,20W	12,64N,20W	Sullivan			x	x			B			
E. Fk. Lost Cr.	P	8.0	Mouth	17,28N,7E	Wayne			x	x			B			
E. Fk. Lost Cr.	C	[9.0] 10.0	Mouth	11,60N,31W	Dekalb			x	x			B			
[E. Fk. Medicine Cr.]	P	[36.0] 43.8	9,61N,22W	State Line	Grundy	Putnam		x	x			B			
Medicine Cr.															
E. Fk. Niangua R.	C	[6.0] 6.3	33,32N,18W	25,31N,18W	Webster			x	x			A			
E. Fk. Postoak Cr.	C	[13.0] 12.2	[22,46N,26W] Mouth	9,44N,26W	Johnson			x	x			B	x		
E. Fk. Rock Cr.	C	4.0	Mouth	31,23N,25W	Barry			x	x			B			

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E. Fk. Roubidoux Cr.	C	[4.5] 4.9	[4,31N,11W] Mouth	24,31N,11W	Texas			x	x			B			
E. Fk. Salt Pond Cr.	C	[3.0] 1.6	Mouth	19,49N,22W	Saline			x	x			B			
E. Fk. Shoal Cr.	C	[2.0] 2.9	Mouth	4,51N,32W	Clay			x	x			B			
E. Fk. Sni-a-bar Cr.	C	[11.9] 8.9	[Interst 70] 32,49N,28W	29,48N,28W	Lafayette			x	x			B			
E. Fk. Sni-a-bar Cr.	P	[9.4] 9.6	Mouth	[Interst 70] 32,49N,28W	Lafayette			x	x			B			
E. Fk. Sulphur Cr.	C	2.5	Mouth	30,50N,17W	Howard			x	x			B			
E. Fk. Tebo Cr.	C	[12.0] 14.5	31,43N,24W	35,44N,24W	Henry			x	x			B			
E. Fk. Walnut Cr.	C	[1.5] 1.8	Mouth	28,55N,14W	Randolph			x	x			B			
[E. Prong] E. Prong Crooked Cr.	C	[3.5] 3.8	Mouth	17,35N,3W	Dent	Crawford		x	x			B			
E. Yellow Cr.	P	[32.0] 35.0	20,56N,19W	7,60N,18W	Chariton	Linn		x	x			B	x		
E.Fk. Bee Br.	C	[1.1] 0.9	Mouth	16,37N,30W	Vernon			x	x			B			
Earle Br.	C	0.7	Mouth	Hwy. F	Phelps			x	x			B			
[East Br.] E. Br. S. Grand R.	C	[12.0] 14.0	Mouth	1,44N,32W	Cass			x	x			B	x		
East Cr.	C	[7.0] 9.4	2,44N,33W	[31,46N,33W] 31,46N,32W	Cass			x	x			B	x		
[East Prong] East Prong Indian Cr.	C	[2.0] 2.5	6,25N,7E	30,26N,7E	Butler			x	x			B			
East Prong	C	1.0	Mouth	12,31N,7E	Madison			x	x			B			
Eaton Br.	C	[3.0] 1.2	Mouth	[9,36N,4E] 4,36N,4E	St. Francois			x	x			B			
Ebo Cr.	P	[1.0] 1.6	Mouth	13,38N,1E	Washington			x	x			B			
Ebo Cr.	C	[1.5] 1.1	13,38N,1E	[Hwy. 185] 14,38N,1E	Washington			x	x			B			
Eddington Br.	P	2.0	Mouth	1,29N,26W	Lawrence			x	x			B			
Edmondson Cr.	C	[1.5] 1.9	Mouth	4,52N,20W	Saline			x	x			B			
Eight Mile Cr.	C	16.8	Mouth	36,44N,31W	Cass			x	x			B			
Elbow Cr.	P	[1.0] 2.6	Mouth	27,22N,18W	Taney			x	x			B			
Eleven Point R.	P	[21.0] 22.7	State Line	18,24N,2W	Oregon		x	x	x	x		A	x		
Eleven Point R.	P	[10.0] 11.4	18,24N,2W	36,25N,4W	Oregon			x	x		x	A	x		
Eleven Point R.	P	[19.0] 22.3	36,25N,4W	23,25N,6W	Oregon			x	x	x		A	x		
Eleven Point R.	C	[34.0] 36.3	23,25N,6W	[33,27N,9W] 32,27N,9W	Oregon	Howell		x	x	x		B			
Elk Br.	C	[2.1] 2.8	Mouth	08,45N,22W	Pettis			x	x			B			
Elk Chute Ditch	P	[11.0] 13.1	Mouth	27,18N,10E	Dunklin			x	x			B			
Elk Cr.	P	5.0	Mouth	33,32N,14W	Wright			x	x			B			
Elk Cr.	C	1.5	33,32N,14W	5,31N,14W	Wright			x	x			B			
Elk Cr.	P	[3.0] 2.4	Mouth	24,29N,10W	Texas			x	x			B			
Elk Cr.	C	[2.0] 2.3	24,29N,10W	30,29N,9W	Texas			x	x			B			
Elk Cr.	C	1.5	Mouth	29,47N,23W	Pettis			x	x			B			
Elk Cr.	C	[4.0] 5.7	14,61N,19W	6,55N,20W	Chariton			x	x			B			
Elk Cr.	C	[8.0] 11.5	Silver Lake	25,57N,20W	Chariton	Linn		x	x			B			
Elk Fk.	C	[4.5] 10.5	Mouth	35,42N,30W	Bates			x	x			B			
Elk Fk.	P	[6.0] 7.0	Mouth	04,44N,23W	Pettis			x	x			B			
Elk Fk. Salt R.	P	[6.0] 7.7	[29,54N,9W] Mouth	26,54N,10W	Monroe			x	x			B	x		

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Elk Fk. Salt R.	C	[31.0] 38.6	26,54N,10W	16,54N,13W	Monroe	Randolph		x	x			B	x		
Elk R.	P	[21.5] 23.2	State Line	34,22N,32W	McDonald		x	x	x	x		A	x		
Elkhorn Br.	C	1.5	Mouth	[5,21N,8W] 6,21N,8W	Howell			x	x			B			
Elkhorn Cr.	C	[19.0] 21.4	Mouth	3,48N,5W	Montgomery			x	x			B			
Elkhorn Cr.	C	[3.0] 2.3	Mouth	3,26N,19W	Christian			x	x			B			
Elkhorn Cr.	C	[8.0] 11.8	Mouth	13,63N,37W	Nodaway			x	x			B	x		
Elkhorn Cr.	P	[5.5] 5.8	Mouth	26,23N,31W	McDonald		x	x	x			B			
Elm Br.	C	3.0	Mouth	[12,43N,24W] 7,43N,23W	Henry			x	x			B	x		
[Elm Cr.] Elm Br.	C	[3.0] 4.5	Mouth	[Hwy. 136] 3,65N,21W	Putnam			x	x			B			
Elm Cr.	C	[8.0] 9.6	Mouth	20,66N,15W	Schuyler			x	x			B			
Elm Grove Br.	C	[4.0] 4.2	Mouth	27,61N,33W	Dekalb	Gentry		x	x			B			
Elm Spring Br.	C	1.0	6,24N,31W	7,24N,31W	Newton			x	x			B			
Ely Cr.	C	[3.5] 4.3	Mouth	1,55N,7W	Ralls			x	x			B			
Emery Hollow	C	3.9	Mouth	28,31N,10W	Texas			x	x						
Emory Cr.	C	2.0	Mouth	31,24N,21W	Taney			x	x			B			
English Cr.	C	[2.5] 2.8	State Line	33,22N,6W	Oregon			x	x			B			
Establishment Cr.	P	[16.0] 17.7	Mouth	23,37N,7E	Ste. Genevieve			x	x			B			
Establishment Cr.	C	[3.0] 2.5	23,37N,7E	33,37N,7E	Ste. Genevieve			x	x			B			
Fabius R.	P1	3.5	Mouth	24,59N,6W	Marion		x	x	x			B	x		
Factory Cr.	P	[1.0] 1.7	Mouth	2,46N,14W	Moniteau			x	x			B			
Factory Cr.	C	[4.0] 4.2	2,46N,14W	32,47N,14W	Moniteau			x	x			B	x		
Fall Cr.	P	1.0	Mouth	11,22N,22W	Taney			x	x			B			
Fall Cr.	C	[3.6] 3.9	11,22N,22W	28,23N,22W	Taney	Stone		x	x			B			
Fassnight Cr.	P	[2.4] 2.8	[27,29N,22W] Mouth	25,29N,22W	Greene			x	x			B			
Fassnight Cr.	C	1.2	25,29N,22W	30,29N,21W	Greene			x	x			B			
Feaster Cr.	C	0.6	Mouth	31,41N,21W	Benton			x	x			B			
Fee Fee Cr. (new)	P	1.5	Mouth	[Creve Coeur Mill Rd.] Sur 992,46N,5E	St. Louis			x	x			B			
Fee Fee Cr. (old)	P	1.0	Mouth	1 Mi. above Hwy. 70	St. Louis			x	x			B			
Femme Osage Cr.	P	[5.5] 8.2	Mouth	29,45N,2E	St. Charles			x	x			B			
Femme Osage Cr.	C	2.0	29,45N,2E	24,45N,1E	St. Charles			x	x			B			
Fenton Cr.	C	0.6	Mouth	[Hwy. V] 23,43N,1W	Franklin			x	x						
Fenton Cr.	P	0.5	Mouth	35,43N,05E	St. Louis			x	x			B			
Fiddle Cr.	C	[2.0] 3.8	Mouth	16,44N,2E	Franklin			x	x			B			
[Fidelity Cr.] Fidelity Br.	P	[1.5] 2.6	Mouth	[Alt. Hwy. 71] 9,27N,31W	Jasper			x	x			B			
Fiery Fk.	C	2.0	Mouth	[36,39N,19W] 26,39N,19W	Camden			x	x			B			
Finley Cr.	P	[44.0] 51.6	Mouth	19,28N,16W	Stone	Webster		x	x	x		A	x		
Finn Br.	C	3.5	4,35N,8W	1,35N,8W	Phelps	Dent		x	x			B			
Finney Cr.	P	[1.0] 1.2	Mouth	28,49N,21W	Saline			x	x			B	x		
Finney Cr.	C	[1.5] 2.4	28,49N,21W	[17,49N,21W] 20,49N,21W	Saline			x	x			B			

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WATER BODY	CLASS	MILES	FROM	TO	COUNTY	COUNTY 2	IRR	LWW	AQL	CLF	CDF	WBC	SCR	DWS	IND
Fire Br.	C	[5.0] 5.4	Mouth	27,54N,28W	Ray			x	x			B			
Fire Prairie Cr.	P	[14.1] 13.0	Mouth	18,50N,30W	Jackson			x	x			B			
First Cr.	P	[1.0] 1.6	Mouth	14,45N,6W	Gasconade			x	x			B			
First Cr.	C	[10.0] 10.7	14,45N,6W	5,44N,5W	Gasconade			x	x			B			
First Cr.	C	[4.0] 4.7	Mouth	9,52N,33W	Clay	Platte		x	x			B			
Fish Br.	C	[3.0] 1.9	Mouth	28,52N,9W	Audrain			x	x			B			
Fish Cr.	C	[12.0] 12.4	Mouth	21,51N,19W	Saline			x	x			B			
Fish Lake Ditch	C	6.5	3,24N,16E	28,25N,17E	Mississippi			x	x			B			
Fish Trap Slough	C	[15.0] 8.2	State Line	[2,23N,8E] 33,23N,8E	Butler			x	x			B			
Fishing R.	P	[22.0] 26.4	Mouth	[Hwy. 33] 3,52N,31W	Ray	Clay	x	x	x			B			
Fishing R.	C	[7.5] 8.5	[Hwy. 33] 3,52N,31W	24,52N,32W	Clay			x	x			B			
Fishpot Cr.	P	[2.0] 3.5	Mouth	[13,44N,05E] 13,44N,04E	St. Louis			x	x			B			
[Five Mile Cr.] Fivemile Cr.	P	5.0	State Line	21,26N,33W	Newton		x	x	x			B			
Flagstaff Cr.	C	[4.0] 4.7	Mouth	3,47N,25W	Johnson			x	x			B			
Flat Cr.	C	[10.0] 13.5	Mouth	2,54N,13W	Monroe	Randolph		x	x			B			
Flat Cr.	P	[39.0] 42.3	28,24N,24W	9,23N,27W	Stone	Barry		x	x	x		A	x		
Flat Cr.	P	[3.0] 2.5	9,23N,27W	21,23N,27W	Barry		x	x	x		x	A	x		
Flat Cr.	P	[7.5] 8.3	21,23N,27W	[23,22N,28W] 13,22N,28W	Barry			x	x	x		A	x		
Flat Cr.	C	6.0	Mouth	20,24N,3E	Ripley			x	x			B			
Flat Cr.	C	[1.0] 1.2	Mouth	[Hwy. A] 27,43N,1W	Franklin			x	x			B	x		
Flat Cr.	P	2.7	Mouth	[44N,03E] 1,43N,03E	St. Louis			x	x			B			
Flat Cr.	P	23.7	Mouth	13,45N,21W	Morgan	Pettis		x	x			B	x		
Flat Cr.	C	[21.8] 22.0	13,45N,21W	02,43N,23W	Pettis			x	x			B	x		
Flat Cr.	C	[4.5] 6.4	Mouth	8,49N,19W	Saline	Cooper		x	x			B			
Flat River Cr.	C	[9.0] 10.0	Mouth	21,36N,4E	St. Francois			x	x			B			
Flat Rock Cr.	C	[0.1] 0.5	Mouth	05,40N,20W	Benton			x	x			B			
Flatrock Cr.	P	2.0	Mouth	1,33N,12E	Cape Girardeau			x	x			B			
Flatrock Cr.	C	1.5	1,33N,12E	12,33N,12E	Cape Girardeau			x	x			B			
Fleck Cr.	C	[3.0] 4.3	Mouth	29,32N,33W	Barton			x	x			B			
Fletcher Cr.	C	[3.5] 4.0	Mouth	State Line	Worth			x	x			B			
Flinger Br.	C	1.7	Mouth	17,28N,08W	Texas			x	x						
Flint Bottom Cr.	C	3.0	Mouth	21,37N,8E	Ste. Genevieve			x	x			B			
[Flint Hill] Flint Hill Br.	P	[4.0] 3.3	Mouth	9,30N,22W	Greene			x	x			B			
Flora Cr.	P	6.0	Mouth	35,32N,14E	Cape Girardeau			x	x			B			
Florida Cr.	C	[6.0] 8.4	Mouth	24,64N,37W	Nodaway			x	x			B			
Floyd Cr.	C	[3.0] 5.1	Mouth	29,63N,14W	Adair			x	x			B			
Flucom Br.	C	[2.0] 1.7	Mouth	12,39N,5E	Jefferson			x	x			B			
Fly Cr.	P	[2.0] 2.5	Mouth	[Hwy. 42] 30,40N,9W	Maries			x	x			B			
Fly Cr.	C	0.5	[Hwy. 42]	30,40N,9W	Maries			x	x			B			

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WATER BODY	CLASS	MILES	FROM 30,40N,9W	TO	COUNTY	COUNTY 2	IRR	LWW	AQL	CLF	CDF	WBC	SCR	DWS	IND
Fly Cr.	C	[6.1] 5.6	Mouth	02,35N,29W	Vernon			x	x			B			
Fonso Br.	P	[1.5] 1.7	Mouth	6,47N,6W	Montgomery			x	x			B			
Fork Cr.	C	[4.5] 4.8	Mouth	6,44N,4W	Franklin	Gasconade		x	x			B			
Fortune Br.	C	[2.5] 2.7	Mouth	9,23N,26W	Barry			x	x			B			
Foster Cr.	C	2.0	Mouth	4,30N,12E	Cape Girardeau			x	x			B			
Fountain Farm Br.	C	1.8	Mouth	32,38N,03E	Washington			x	x					x	
Fourche a DuClos Cr.	P	[7.5] 8.2	Mouth	30,38N,7E	Ste. Genevieve			x	x			B			
Fourche a DuClos Cr.	C	3.0	30,38N,7E	[2,37N,6E] 3,37N,6E	Ste. Genevieve			x	x			B			
Fourche a Renault Cr.	P	[8.0] 8.8	7,38N,2E	Sunnen Lake Dam	Washington			x	x			B			
Fourche a Renault Cr.	P	0.5	Sunnen Lake	15,37N,1E	Washington			x	x			B			
Fourche a Renault Cr.	C	[2.0] 2.4	15,37N,1E	23,37N,1E	Washington			x	x			B			
Fourche Cr.	P	[14.0] 14.6	State Line	15,23N,1W	Ripley		x	x	x	x		A	x		
Fourmile Cr.	C	[5.0] 5.5	Mouth	29,34N,18W	Dallas			x	x			B			
Fowler Cr.	C	6.0	Mouth	13,46N,12W	Boone			x	x			B			
Fox Cr.	P	[6.3] 7.2	Mouth	30,44N,03E	St. Louis			x	x			B			
Fox Cr.	C	0.5	Mouth	[27,21N,20W] 28,22N,20W	Taney			x	x			B			
Fox Cr.	P	4.0	Mouth	9,25N,13W	Douglas			x	x			B			
Fox Cr.	C	5.0	9,25N,13W	29,26N,13W	Douglas			x	x			B			
Fox Cr.	C	[7.0] 6.1	Mouth	20,63N,26W	Harrison			x	x			B			
Fox R.	P1	[12.0] 12.3	Mouth	[Spur 136] 6,64N,6W	Clark			x	x			B	x	x	
Fox R.	P	[27.0] 42.0	[Spur 136] 6,64N,6W	State Line	Clark			x	x			B	x		
Franklin Cr.	C	[2.0] 3.0	Mouth	32,26N,7E	Butler			x	x			B			
Frederick Cr.	C	[10.0] 15.0	8,22N,2W	2,22N,4W	Oregon			x	x			B	x		
Frederick Cr.	P	[3.0] 3.4	Mouth	8,22N,2W	Oregon			x	x			A	x		
Frene Cr.	P	[1.5] 1.8	Mouth	[Hwy. 100] 35,46N,5W	Gasconade			x	x			B			
Frene Cr.	C	[3.0] 3.3	[Hwy. 100] 35,46N,5W	10,45N,5W	Gasconade			x	x			B			
[Freshwater Cr.] Fishwater Cr.	P	[4.5] 4.8	Mouth	33,35N,4W	Dent			x	x			B			
Froe Hollow	P	[1.5] 2.0	Mouth	34,34N,4E	Iron			x	x			B			
Funk Br.	C	[2.5] 3.3	Mouth	32,31N,3E	Reynolds	Iron		x	x			B			
Furnace Cr.	P	[2.0] 2.8	Mouth	14,36N,2E	Washington			x	x			B			
[Gabriel Cr.]	[C]	[1.9]	[07,44N,18W]	[24,44N,19W]	[Morgan]			[x]	[x]			[B]			
Gabriel Cr.	P	[4.0] 5.0	Mouth	7,44N,18W	Morgan			x	x			A	x		
Gabriel Cr.	C	[11.1] 13.6	[24,44N,19W] 07,44N,18W	03,42N,19W	Morgan			x	x			B	x		
Galbreath Cr.	C	[4.5] 5.8	18,53N,12W	22,53N,13W	[Randolph] Monroe	Randolph		x	x			B			
Galena Hollow	C	[2.5] 3.6	Mouth	20,23N,26W	Barry			x	x			B			
Galligher Cr.	P	0.2	Mouth	20,41N,04E	Jefferson			x	x			B			
Gallinipper Cr.	C	[1.0] 1.3	Mouth	[35,39N,26W] 36,39N,26W	St. Clair			x	x			B			

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Gallinipper Cr.	C	[1.0] 3.0	[27,39N,26W] 36,39N,26W	27,39N,26W	St. Clair			x	x			B			
Galloway Cr.	P	3.2	[16,28N,21W] Mouth	4,28N,21W	Greene			x	x			B			
Ganaway Cr.	C	2.0	Mouth	[23,52N,16W] 25,52N,16W	Howard			x	x			B			
Gans Cr.	C	[5.0] 5.5	[Hwy. 163] 1,47N,13W	[Hwy. 63] 33,48N,12W	Boone			x	x			A			
Garrison Br.	C	2.0	Mouth	29,25N,19W	Christian			x	x			B			
Garrison Br.	C	0.7	23,27N,21W	23,27N,21W	Christian			x	x			B			
Garrison Fk.	C	[5.0] 6.8	Mouth	13,50N,27W	Lafayette			x	x			B			
Gasconade R.	P	[249.0] 264.0	Mouth	6,29N,14W	Gasconade	Wright		x	x	x		A	x	x	
Gees Cr.	C	[13.0] 13.8	Mouth	29,60N,25W	Livingston	Grundy		x	x			B			
[Gibler Cr.] Meadow Cr.	P	[1.0] 1.4	Mouth	[11,45N,13W] 10,45N,13W	Cole			x	x			B			
[Gibler Cr.] Meadows Cr.	C	[2.5] 2.0	10,45N,13W	16,45N,13W	Cole			x	x			B			
Gillum Cr.	C	2.5	Mouth	23,39N,33W	Bates			x	x				x		
Gimlet Cr.	P	1.5	Mouth	26,31N,7E	Madison			x	x			B			
Girard Br.	C	[1.5] 2.5	Mouth	33,41N,1E	Franklin			x	x			B			
Givins Br.	C	[4.0] 4.7	Mouth	[11,32N,19W] 11,31N,19W	Webster			x	x			B			
Gizzard Cr.	P	[0.5] 0.9	Mouth	27,30N,7E	Wayne			x	x			B			
Gizzard Cr.	P	2.0	Mouth	6,29N,11E	Cape Girardeau	Bollinger		x	x			B			
Gizzard Cr.	C	[1.0] 1.6	6,29N,11E	36,30N,10E	Bollinger			x	x			B			
Gladden Cr.	P	[2.0] 2.5	Mouth	13,31N,6W	Shannon			x	x			B			
Gladden Cr.	C	[13.5] 15.2	13,31N,6W	5,32N,5W	Shannon	Dent		x	x			B			
Glade Cr.	C	[0.5] 0.9	Mouth	Sur 2081,30N,4E	Iron			x	x			B			
Glaize Cr.	P	[5.5] 6.1	Mouth	22,42N,5E	Jefferson			x	x			B			
Glaize Cr.	C	2.0	22,42N,5E	21,42N,5E	Jefferson			x	x			B			
Glendale Fk.	C	[4.0] 5.4	Mouth	14,31N,33W	Barton			x	x			[B]	x		
Goldsbarry Hollow	C	[3.0] 2.7	Mouth	31,23N,16W	Ozark			x	x			B			
Goose Cr.	P	4.0	Mouth	10,28N,25W	Lawrence			x	x		x	B			
Goose Cr.	C	6.5	Mouth	[27,38N,6E] 25,38N,6E	Ste. Genevieve	St. Francois		x	x			B			
Goose Cr.	P	[3.5] 4.0	Mouth	17,35N,10E	Perry			x	x			B			
Goose Cr.	C	[1.5] 1.3	17,35N,10E	24,35N,9E	Perry			x	x			B			
Goose Cr.	P	1.0	Mouth	18,39N,1E	Washington			x	x			B			
Goose Cr.	C	2.0	18,39N,1E	21,39N,1E	Washington			x	x			B			
Goose Cr.	C	[2.0] 2.8	Mouth	[Hwy. 32] Sur 837,35N,2E	Washington			x	x			B			
Goose Cr.	C	3.0	Mouth	[6,31N,13W] Sur 183,31N,13E	Cape Girardeau			x	x			[B]	x		
Goose Cr.	C	1.5	Mouth	30,29N,7E	Wayne			x	x			B			
Goose Cr.	C	[2.5] 4.0	Mouth	28,26N,5E	Butler			x	x			B	x		
Goose Cr.	P	[1.0] 1.4	Mouth	22,33N,7E	Madison			x	x			B			
Goose Cr.	C	[1.0] 1.6	22,33N,7E	27,33N,7E	Madison			x	x			B			
Goose Cr.	P	[2.0] 2.4	Mouth	32,62N,29W	Daviess			x	x			B			
Goose Cr.	C	[3.5] 4.4	Mouth	14,56N,29W	Caldwell			x	x			B			
Goose Pond Ditch	C	[4.0] 4.3	21,27N,9E	8,26N,9E	Stoddard			x	x			B			

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Gooseneck Br.	C	2.5	Mouth	22,37N,20W	Hickory			x	x			B			
Gordon Cr.	P	2.0	Mouth	15,32N,3W	Dent			x	x			B			
Gordon Cr.	C	0.5	15,32N,3W	11,32N,3W	Dent			x	x			B			
Gower Br.	C	[2.0] 2.3	Mouth	09,32N,19W	Dallas			x	x			B			
Gracey Cr.	C	2.0	Mouth	[5,42N,16W] 6,42N,16W	Morgan			x	x			B			
[Grand Glaize Cr.] Grandglaize Cr.	P	[7.0] 7.6	Mouth	24,38N,15W	Miller	Camden		x	x			A	x		
Grand Glaize Cr.	C	4.0	Mouth	9,44N,5E	St. Louis			x	x			B			
Grand R.	P	[97.0] 127.5	[Shoal Cr.] 19,23N,57W	State Line	Livingston	Worth		x	x	x		A	x	x	
Grand R.	P	[60.0] 56.0	Mouth	Shoal Cr.	Chariton	Livingston		x	x	x		A	x	x	
[Granddaddy's Cr.] Granddaddy Cr.	C	[1.0] 1.5	Mouth	26,41N,28W	Henry			x	x			B			
Granny Cr.	P	1.0	Mouth	6,30N,11E	Bollinger			x	x			B			
Granny Cr.	C	[1.0] 1.2	6,30N,11E	31,31N,11E	Bollinger			x	x			B			
Grantham Cr.	C	[2.0] 3.4	Mouth	2,64N,33W	Gentry			x	x						
Grassy Cr.	C	[2.0] 1.8	Mouth	[Hwy. 79] 10,54N,2W	Pike			x	x			B			
Grassy Cr.	C	2.4	Mouth	[27,48N,22W] 26,48N,22W	Saline	Pettis		x	x			B			
Grassy Cr.	C	[17.5] 19.8	Mouth	34,61N,8W	Marion	Lewis		x	x			B			
Grassy Cr.	C	[3.0] 5.0	20,30N,8E	14,30N,8E	Bollinger			x	x			B			
Grassy Cr.	P	[1.0] 1.3	Mouth	20,30N,8E	Bollinger			x	x			B			
Grassy Hollow	C	3.9	Mouth	09,28N,07W	Texas			x	x			B			
Graveyard Br.	C	[0.4] 0.9	Mouth	01,42N,09W	Osage			x	x			B			
Gravois Cr.	P	[9.0] 9.3	Mouth	20,42N,18W	Morgan			x	x			A	x		
Gravois Cr.	P	[2.0] 2.3	Mouth	24,44N,6E	St. Louis City	St. Louis		x	x			B			
Gravois Cr.	C	[4.0] 6.0	24,44N,6E	[Hwy. 30] 16,44N,6E	St. Louis			x	x			B			
Grays Cr.	P	[14.0] 13.8	Mouth	35,45N,13W	Cole			x	x			B			
Grays Cr.	C	1.0	35,45N,13W	34,45N,13W	Cole			x	x			B			
Greasy Cr.	P	[4.0] 4.2	Mouth	31,34N,19W	Dallas			x	x	x		B			
Greasy Cr.	C	[10.5] 11.5	31,34N,19W	11,32N,20W	Dallas			x	x	x		B			
Greasy Cr.	C	[5.0] 4.1	Mouth	23,35N,7E	Ste. Genevieve			x	x			B			
Greasy Cr.	C	[4.0] 4.2	Mouth	12,21N,29W	Barry			x	x			B			
Greasy Cr.	C	0.7	14,45N,08W	13,45N,08W	Osage			x	x			B			
Greasy Cr.	P	0.2	Mouth	14,45N,08W	Osage			x	x			B			
Greedy Cr.	C	[1.0] 1.7	[29,41N,06W] 20,41N,06W	18,41N,06W	Gasconade			x	x			B	x		
Greedy Cr.	P	0.8	Mouth	[29,41N,06W] 20,41N,06W	Gasconade			x	x			B			
Green Spring Br.	C	1.8	Mouth	02,35N,25W	St. Clair	Cedar		x	x			B			
Greenbriar Cr.	C	[1.5] 2.0	Mouth	[33,24N,2W] 27,24N,2W	Oregon			x	x			B			
Greens Cr.	C	[0.5] 0.7	Mouth	2,39N,2W	Crawford			x	x			B			
Greenwood Valley	C	[1.5] 1.9	Mouth	28,28N,3E	Wayne			x	x			B			
Greer Br.	C	[5.5] 6.6	Mouth	23,47N,21W	Pettis			x	x			B			

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Greer Cr.	C	[3.0] 1.8	Mouth	[25,32N,19W] 25,31N,19W	Webster			x	x					B	
Greer Spring Br.	P	[1.0] 1.3	Mouth	36,25N,4W	Oregon			x	x		x			B	
Greggs Cr.	C	2.0	Mouth	[15,51N,17W] Sur 2653,51N,17W	Howard			x	x					B	
Greys Lake	C	[5.0] 5.2	[24,66N,42W] 13,66N,42W	[3,66N,42W] 10,66N,42W	Atchison			x	x					B	
Grindstone Br.	C	6.0	Mouth	25,51N,13W	Boone			x	x					B	
Grindstone Cr.	P	[17.0] 17.9	Mouth	35,59N,30W	Daviess	Dekalb		x	x				A	x	
Grindstone Cr.	C	[16.0] 19.4	35,59N,30W	24,57N,31W	Dekalb	Clinton		x	x					B	
Grindstone Cr.	C	[1.5] 2.5	Mouth	20,48N,12W	Boone			x	x					A	
Groshong Br.	C	1.5	Mouth	12,48N,1E	Lincoln			x	x					B	
Grounds Cr.	C	[1.5] 1.3	Mouth	4,32N,8E	Madison			x	x					B	
Grove Cr.	P	[2.0] 2.9	Mouth	1,27N,32W	Jasper			x	x					B	
Grove Cr.	C	[3.0] 3.3	Mouth	8,54N,33W	Platte			x	x					B	
Guinns Cr.	C	0.5	Mouth	30,52N,2E	Pike			x	x					B	
Gulley Spring Cr.	C	[3.5] 4.3	Mouth	5,21N,14W	Ozark			x	x					B	
Gum Spring Cr.	P	1.0	Mouth	Hwy. W	Cole			x	x					B	
[Gum Spring Cr.] Gum Spring Br.	C	0.5	Hwy. W	31,43N,11W	Cole			x	x					B	
Gunter Cr.	C	[6.0] 6.7	Mouth	29,24N,27W	Barry			x	x					B	
Hackberry Br.	C	[3.7] 4.5	Mouth	29,35N,32W	Vernon			x	x					B	
[Hagard Cr.] Hogard Cr.	C	[1.5] 1.3	Mouth	1,22N,14W	Ozark			x	x					B	
Haldiman Br.	C	3.0	Mouth	10,46N,14W	Moniteau			x	x					B	
Half Moon Bayou	C	3.0	23,17N,12E	[18,17N,13E] 8,17N,13E	Pemiscot			x	x					B	
Halls Cr.	C	1.5	Mouth	18,46N,8W	Callaway			x	x					B	
Halsey Hollow	C	[2.0] 2.2	Mouth	2,35N,18W	Dallas			x	x					B	
Hamilton Cr.	P	4.5	Mouth	5,29N,10W	Texas			x	x					B	
Hamilton Cr.	C	2.0	5,29N,10W	7,29N,10W	Texas			x	x					B	
Hamilton Cr.	C	[2.0] 2.2	Mouth	29,40N,1W	Washington			x	x					B	
Hamilton Cr.	P	[1.3] 1.8	Mouth	14,44N,03E	St. Louis			x	x					B	
Hancock Hollow	C	1.0	Mouth	2,25N,21W	Christian			x	x					B	
Harding Cr.	C	[2.0] 3.0	Mouth	15,43N,33W	Cass			x	x					B	
Harless Cr.	C	[2.0] 2.3	[34,44N,31W] 34,44N,33W	28,44N,33W	Cass			x	x					B	
Harris Br.	C	1.0	Mouth	18,39N,1W	Washington			x	x					B	
Harris Cr.	C	[4.5] 5.6	Mouth	[Hwy. 142] 34,23N,3E	Ripley			x	x					B	
Harrison Br.	P	1.0	Mouth	15,24N,33W	Newton			x	x					B	
Harrison Br.	C	[1.5] 1.7	15,24N,33W	23,24N,33W	Newton			x	x					B	
[Harrison Cr.] Harrison Br..	C	[3.5] 3.7	Mouth	32,49N,8W	Callaway			x	x					B	
Hart Cr.	C	[4.0] 3.2	Mouth	6,45N,12W	Boone			x	x					B	
[Hartman Cr.] Mill Cr.	C	[2.0] 1.4	Mouth	7,25N,6E	Butler			x	x					B	
Harviell Ditch (#3)	C	[16.0] 16.2	State Line	[14,23N,5E] 12,23N,5E	Ripley	Butler		x	x	x				B	
Haverstick Cr.	C	[2.0] 1.5	Mouth	29,40N,5E	Jefferson			x	x					B	

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Haw Cr.	C	1.0	Mouth	33,40N,13W	Miller			x	x			B			
Haw Cr.	P	17.5	Mouth	6,42N,19W	Morgan			x	x			A	x		
Haw Cr.	C	1.5	6,42N,19W	12,42N,20W	Morgan	Benton		x	x			B			
Hawker Br.	C	[2.0] 2.5	16,33N,26W	18,33N,26W	Cedar			x	x			B			
Hawker Cr.	P	[8.0] 8.6	Mouth	16,29N,9E	Bollinger			x	x			B			
Hawker Cr.	C	1.5	16,29N,9E	8,29N,9E	Bollinger			x	x			B			
Hawn Cr.	C	[0.5] 0.9	Mouth	30,32N,9E	Bollinger			x	x			B			
Hayden Cr.	C	[3.0] 2.7	Mouth	7,36N,4E	St. Francois			x	x			B			
Hays Cr.	C	2.0	Mouth	29,54N,5W	Ralls			x	x			B			
Hayzlett Br.	P	[2.0] 2.4	Mouth	25,62N,37W	Nodaway			x	x			B			
Hazel Cr.	P	[8.0] 9.0	Mouth	20,36N,1E	Washington			x	x			B			
Hazel Cr.	C	[1.5] 2.2	20,36N,1E	15,36N,1E	Washington			x	x			B			
Hazel Cr.	C	[5.0] 5.6	Mouth	31,64N,15W	Adair			x	x			B			
Hazel Run	C	[3.0] 4.3	Mouth	35,38N,5E	St. Francois			x	x			B			
Hazelton Spring	P	0.1	Mouth	34,33N,10W	Texas			x	x			B			
Heads Cr.	P	[3.0] 2.7	Mouth	3,42N,4E	Jefferson			x	x			B			
Heads Cr.	C	[1.5] 2.4	3,42N,4E	14,42N,4E	Jefferson			x	x			B			
Headwater Div. Chan.	P	[20.0] 20.3	Mouth	4,29N,11E	Cape Girardeau			x	x			A	x	x	
Heat String Cr.	C	[1.0] 1.3	Mouth	[31,49N,7W] 36,49N,8W	Callaway			x	x			B			
Heaths Cr.	P	[13.0] 21.0	Mouth	[27,48N,22W] 27,48N,21W	Cooper	Pettis		x	x	x		B			
Heaths Cr.	C	[10.0] 11.5	27,48N,22W	17,47N,22W	Pettis			x	x	x		B			
Henderson Cr.	P	[1.0] 0.4	Mouth	32,33N,8E	Madison			x	x			B			
Henderson Cr.	C	[1.5] 1.7	32,33N,8E	30,33N,7E	Madison			x	x			B			
Henderson Hollow	C	[0.5] 0.9	Mouth	16,30N,4E	Iron			x	x			B			
Henpeck Hollow	C	[2.0] 2.2	Mouth	22,38N,2W	Crawford			x	x			B			
Henry Cr.	C	[2.3] 3.7	[14,44N,22W] 23,44N,22W	36,44N,22W	Pettis			x	x			B			
Henry Cr.	P	1.7	Mouth	[14,44N,22W] 23,44N,22W	Pettis			x	x			B			
Hess Cr.	C	3.1	Mouth	13,47N,22W	Pettis			x	x			B			
Hicklin Cr.	C	[4.0] 5.3	[4,34N,28W] Mouth	12,34N,29W	Cedar			x	x			B			
Hickory Br.	C	[6.0] 6.8	Mouth	[12,55N,20W] 7,55N,20W	Chariton			x	x			B			
Hickory Cr.	C	[4.0] 4.2	Mouth	20,37N,7E	Ste. Genevieve			x	x			B			
Hickory Cr.	C	[6.0] 6.6	Mouth	2,51N,6W	Audrain			x	x			B			
Hickory Cr.	C	[3.0] 2.7	Mouth	11,25N,6E	Butler			x	x			B			
[Hickory Cr.] Hickory Flat Cr.	P	1.0	Mouth	6,27N,7E	Wayne			x	x			B			
Hickory Cr.	C	[1.0] 1.2	Mouth	21,61N,37W	Holt			x	x			B			
Hickory Cr.	P	[4.5] 4.9	Mouth	28,25N,31W	Newton			x	x			A			
Hickory Cr.	C	[2.0] 1.5	Mouth	11,61N,34W	Andrew			x	x			B			
Hickory Cr.	C	[1.5] 2.8	Mouth	11,60N,28W	Daviess			x	x			[B]			
Hickory Cr.	P	3.0	Mouth	22,61N,31W	Gentry			x	x			B			
Hickory Cr.	C	[7.0] 10.9	Mouth	9,60N,25W	Grundy			x	x			B			
Higgins Cr.	C	[1.0] 1.3	Mouth	34,43N,12W	Cole			x	x			B			

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High Cr.	C	[5.5] 6.3	20,66N,41W	13,66N,41W	Atchison			x	x			B			
High Cr. Ditch	C	[4.5] 3.7	22,66N,42W	20,66N,41W	Atchison			x	x			B			
Highly Cr.	C	[3.0] 3.9	Mouth	7,62N,37W	Holt			x	x			B			
Hightower Cr.	C	[4.4] 5.1	Mouth	30,37N,30W	Vernon			x	x			B			
Hillers Cr.	P	[5.0] 5.8	Mouth	32,45N,9W	Callaway			x	x			B			
Hillers Cr.	C	[11.0] 12.8	32,45N,9W	34,46N,10W	Callaway			x	x			B			
[Hinch Cr.] Hinch Br.	P	1.5	Mouth	33,39N,2W	Crawford			x	x			B			
[Hinch Cr.] Hinch Br.	C	[1.5] 1.9	33,39N,2W	4,38N,2W	Crawford			x	x			B			
Hinkson Cr.	P	[6.0] 7.6	Mouth	Hwy. 163	Boone			x	x			B	x		
Hinkson Cr.	C	[18.0] 18.8	Hwy. 163	36,50N,12W	Boone			x	x			B			
Hippo Br.	C	[2.0] 2.3	Mouth	7,54N,5W	Ralls			x	x			B			
Hocum Hollow	C	0.5	Mouth	Sur 1856,40N,6E	Jefferson			x	x			B			
Hodge Cr.	C	2.0	28,32N,4W	16,32N,4W	Dent			x	x			B			
Hog Cr.	P	[4.5] 5.1	Mouth	06,29N,9W	Texas			x	x	x		B			
Hog Cr.	C	[5.1] 4.4	06,29N,9W	16,29N,09W	Texas			x	x			B			
Hog Cr.	C	[5.0] 6.5	Mouth	18,62N,16W	Adair			x	x			B			
Hog Cr.	C	[1.5] 1.9	14,31N,10E	3,31N,10E	[Cape Girardeau] Bollinger	[Bollinger]		x	x			A			
Hog Cr.	P	[8.5] 9.4	Mouth	14,31N,10E	[Bollinger] Cape Girardeau	Bollinger		x	x			B			
[Hogan's Fk.] Hogan Fk.	C	5.8	Mouth	17,44N,26W	Johnson			x	x			[B]	x		
Hogles Cr.	P	[20.7] 17.8	Mouth	[32,38N,23W] 5,37N,23W	Benton	Hickory		x	x	x		B			
Hogles Cr.	C	[7.4] 6.4	[32,38N,23W] 5,37N,23W	34,37N,23W	Hickory			x	x	x		B			
Holland Br.	C	[2.0] 3.0	Mouth	10,54N,34W	Platte			x	x			B			
Holtzclaw Cr.	C	2.0	Mouth	15,53N,32W	Clay			x	x			B			
Homes Cr.	C	5.2	Mouth	Hwy 33	Clay			x	x			B			
Hominy Cr.	P	[12.5] 13.2	Mouth	15,33N,21W	Polk			x	x			B			
[Hominy Cr.] Hominy Br.	C	1.0	Mouth	[Hwy 63] 17,48N,12W	Boone			x	x			B	x		
Honey Cr.	C	[10.0] 8.5	Mouth	24,43N,27W	Henry			x	x			B			
Honey Cr.	P	[13.0] 16.5	Mouth	22,27N,25W	Lawrence			x	x			B			
Honey Cr.	C	[2.0] 2.7	22,27N,25W	35,27N,25W	Lawrence			x	x			B			
Honey Cr.	P	[3.0] 2.6	State Line	State Line	McDonald		x	x	x			A			
Honey Cr.	P	[8.5] 12.2	Mouth	[1,65N,33W] 1,65N,34W	Nodaway			x	x			B			
Honey Cr.	C	[5.0] 6.7	[1,65N,33W] 1,65N,34W	18,66N,33W	Nodaway			x	x			B			
Honey Cr.	P1	7.0	Mouth	[Hwy 61] 33,64N,6W	Clark			x	x			B	x		
Honey Cr.	C	15.0	Hwy 61	Hwy 81	Clark			x	x			B			
Honey Cr.	C	[6.0] 8.3	Mouth	35,59N,28W	Daviess			x	x			B			
Honey Cr.	C	[23.0] 25.1	Mouth	29,63N,23W	Livingston	Grundy		x	x			B			
Honey Cr.	C	[2.0] 2.6	Mouth	13,46N,19W	Cooper			x	x			B			
Honey Cr.	C	[8.0] 7.0	Mouth	14,47N,27W	Johnson			x	x			B			

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Honey Cr.	C	[4.0] 4.6	Mouth	29,43N,12W	Cole			x	x			B		x	
Honey Cypress Ditch	P	[15.0] 14.7	Mouth	27,18N,8E	Dunklin			x	x			B			
Honey Run	C	[1.5] 1.7	Mouth	6,38N,15W	Camden			x	x			B			
Hoover Cr.	C	[7.0] 7.2	Mouth	1,55N,14W	Macon	Randolph		x	x			B			
Hopewell Cr.	C	1.0	Mouth	3,36N,3E	Washington			x	x			B			
Horrell Cr.	P	3.0	Mouth	Sur 233,32N,12E	Cape Girardeau			x	x			B			
Horrell Cr.	C	[1.5] 1.7	Sur 233, 32N12E	2,32N,12E	Cape Girardeau			x	x			B			
Horse Cr.	P	[24.5] 27.7	Mouth	35,34N,29W	Cedar	Vernon	x	x	x			B			
Horse Cr.	C	[25.0] 34.6	35,34N,29W	15,31N,28W	[Barton] Vernon	Dade		x	x			B			
Horse Cr.	C	2.0	Mouth	26,25N,23W	Stone			x	x			B			
Horse Fk.	C	[4.0] 4.4	Mouth	6,55N,31W	Clinton			x	x			B			
Horseshoe Cr.	C	5.8	Mouth	10,48N,29W	Jackson	Lafayette		x	x			B			
Horstman Cr.	C	2.0	Mouth	7,45N,4W	Gasconade			x	x			B			
Houfs Cr.	C	[1.0] 1.6	Mouth	27,48N,9W	Callaway			x	x			B			
Housgen Cr.	C	0.9	Mouth	[Hwy C] 2,44N,9W	Osage			x	x			B			
[Houston Cr.] Hoosier Cr.	C	[1.5] 2.2	Mouth	11,41N,1W	Franklin			x	x			B			
Howard Cr.	C	[4.0] 4.3	Mouth	2,46N,15W	Moniteau			x	x			B			
Howell Cr.	C	[14.0] 16.8	[8,23N,6W] Mouth	22,24N,8W	Oregon	Howell		x	x			B			
Hubble Cr.	P	15.0	Mouth	[Hwy. 61] Sur 2250,31N,12E	Cape Girardeau			x	x			B			
Hubble Cr.	C	2.5	[Hwy. 61] Sur 2250, 31N,12E	[30,32N,13E] Sur 2192,32N,13E	Cape Girardeau			x	x			B		x	
Hubble Cr.	P	[2.5] 1.5	Mouth	23,29N,5E	Wayne			x	x			B			
Hubble Cr.	C	[1.0] 2.0	23,29N,5E	11,29N,5E	Wayne			x	x			B			
Hudson Cr.	C	[4.0] 4.5	[17,25N,28W] Mouth	11,25N,28W	Barry			x	x			B		x	
Huff Cr.	C	[1.5] 2.0	Mouth	6,69N,37W	Nodaway			x	x			B			
Huffstetter Lateral	P	12.0	6,23N,11E	16,25N,11E	Stoddard			x	x			B			
Hughes Cr.	P	3.0	Mouth	15,33N,12E	Cape Girardeau			x	x			B			
Hughes Cr.	C	[2.0] 2.9	15,33N,12E	20,33N,12E	Cape Girardeau			x	x			B			
Huldy Hollow	C	2.0	Mouth	28,31N,07W	Texas			x	x						
Humphrey Cr.	P	[1.0] 1.2	Mouth	1,40N,13W	Miller			x	x			B			
Hungry Cr.	C	[0.5] 2.1	Mouth	5,27N,11W	Douglas			x	x			B			
Hungry Mother Cr.	C	[7.5] 9.5	Mouth	18,51N,14W	Howard			x	x			B			
Hunke Cr.	C	[1.2] 1.8	Mouth	33,43N,06W	Gasconade			x	x			B			
Hunt Br.	P	0.5	22,28N,21W	22,28N,21W	Greene			x	x			B			
Hunt Br.	P	1.0	23,28N,21W	24,28N,21W	Greene			x	x			B			
Hunter Cr.	P	[9.0] 10.2	Mouth	6,26N,15W	Douglas			x	x			A		x	
Hunter Cr.	C	[3.0] 3.2	Mouth	20,30N,6E	Wayne			x	x			B			
Hurricane Br.	C	[1.5] 1.8	Mouth	27,59N,26W	Daviess			x	x			B			
Hurricane Cr.	P	[1.5] 1.9	Mouth	30,24N,12W	Ozark			x	x		x	B			
Hurricane Cr.	P	[4.0] 3.4	Mouth	28,25N,3W	Oregon			x	x			A		x	

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Hurricane Cr.	C	[5.0] 6.1	28,25N,3W	4,25N,3W	Oregon			x	x			B			
Hurricane Cr.	C	6.0	Mouth	Hwy. 21	Ripley			x	x			B			
Hurricane Cr.	C	[4.0] 6.2	Mouth	[Hwy. 139] 35,55N,22W	Carroll			x	x			B			
Hurricane Cr.	C	[3.5] 3.8	Mouth	23,51N,17W	Howard			x	x			B			
Hurricane Cr.	P	[12.0] 12.4	Mouth	35,32N,9E	Bollinger			x	x			A			
Huzzah Cr.	P	[34.0] 35.8	Mouth	1,34N,3W	Crawford	Dent		x	x	x		A	x		
Huzzah Cr.	P	1.0	Mouth	31,31N,6E	Madison			x	x			B			
Hyatts Cr.	P	2.5	Mouth	2,31N,2E	Reynolds			x	x			B			
Hyde Cr.	P	[4.0] 4.4	Mouth	33,31N,16W	Webster			x	x			B			
Imboden Fk.	P	[5.0] 6.4	Mouth	27,34N,2E	Reynolds	Iron		x	x			B			
Indian Br.	C	[3.0] 3.8	Mouth	22,58N,25W	Livingston			x	x			B			
Indian Camp Cr.	P	[2.0] 3.3	Mouth	6,47N,1E	St. Charles			x	x			B			
Indian Camp Cr.	C	[5.0] 3.5	[6,47N,1E] 2,47N,1W	4,47N,1W	St. Charles	Warren		x	x			B			
Indian Cr.	C	[3.5] 3.3	Mouth	[Hwy. 24] 3,55N,8W	Monroe			x	x			B			
Indian Cr.	C	3.0	Mouth	5,41N,16W	Morgan			x	x			A	x		
Indian Cr.	P	[7.2] 7.7	Mouth	21,42N,20W	Benton			x	x	x		B			
Indian Cr.	C	[3.0] 2.7	30,30N,9W	27,30N,9W	Texas			x	x			B	x		
Indian Cr.	C	[1.0] 1.2	Mouth	22,42N,8W	Osage			x	x			B			
Indian Cr.	P	[4.0] 3.7	Mouth	30,30N,9W	Texas			x	x			B			
Indian Cr.	C	[17.0] 20.0	Mouth	17,52N,4W	Pike			x	x			B			
Indian Cr.	C	[3.0] 3.6	Mouth	Sur 2062,38N,8E	Ste. Genevieve			x	x			B			
Indian Cr.	P	[7.0] 8.1	Mouth	10,32N,13E	Cape Girardeau			x	x			B			
Indian Cr.	P	1.0	Mouth	35,35N,3W	Crawford			x	x			B			
Indian Cr.	C	2.0	35,35N,3W	34,35N,3W	Crawford	Dent		x	x			B			
Indian Cr.	P	[1.5] 1.9	Mouth	18,35N,1W	Washington			x	x			B			
[Indian Cr.] Trib. To Cub Cr.	C	[1.5] 1.9	Mouth	17,35N,1E	Washington			x	x			B			
Indian Cr.	P	[20.0] 21.4	Mouth	36,39N,01W	Franklin	Washington		x	x		x	B			
Indian Cr.	C	[3.0] 3.4	36,39N,1W	8,38N,1E	Washington			x	x	x		B			
Indian Cr.	C	[3.0] 2.1	Mouth	[State Line] 28,21N,24W	Stone			x	x			B			
Indian Cr.	P	10.0	Mouth	35,27N,11W	Douglas			x	x			B			
Indian Cr.	C	7.5	35,27N,11W	22,27N,10W	Douglas	Howell		x	x			B			
Indian Cr.	P	[4.0] 6.1	Mouth	7,25N,7E	Butler			x	x			B			
Indian Cr.	C	[2.0] 1.6	7,25N,7E	6,25N,7E	Butler			x	x			B			
Indian Cr.	P	[4.0] 5.5	Mouth	[32,35N,4E] 5,34N,4E	St. Francois			x	x			A			
Indian Cr.	P	[26.0] 30.8	Mouth	24,24N,31W	McDonald	Newton	x	x	x	x		A	x		
Indian Cr.	C	0.8	Mouth	28,40N,09W	Maries			x	x			B			
Indian Cr.	C	0.2	Mouth	34,44N,08W	Osage			x	x			B			
Indian Cr.	C	2.4	Mouth	[Hwy DD] 28,43N,9W	Osage			x	x			B			
Indian Cr.	C	[3.0] 3.4	Mouth	State Line	Jackson			x	x			A		x	
Indian Cr.	C	[3.0] 3.2	Mouth	8,64N,32W	Gentry			x	x			B			
Indian Cr.	C	[4.0] 4.3	Mouth	17,66N,26W	Harrison			x	x			B			
Indian Cr.	C	3.5	Mouth	9,64N,11W	Scotland			x	x			B			

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WATER BODY	CLASS	MILES	FROM	TO	COUNTY	COUNTY 2	IRR	LWW	AQL	CLF	CDF	WBC	SCR	DWS	IND
Indian Cr.	P	[1.0] 1.3	Mouth	9,31N,9E	Bollinger			x	x			B			
Indian Cr.	C	[0.5] 0.7	9,31N,9E	4,31N,9E	Bollinger			x	x			B			
Ingalls Cr.	C	[6.2] 6.8	Mouth	01,35N,21W	Hickory			x	x			B			
Iowa Ditch	P	[3.0] 2.8	Mouth	State Line	Atchison			x	x			B			
Ironton Hollow	C	[0.5] 0.9	Mouth	33,34N,4E	Iron			x	x			B			
Irvins Br.	C	[3.0] 3.3	Mouth	10,59N,30W	Dekalb			x	x			B			
Irwin Cr.	C	[6.0] 7.0	Mouth	State Line	Mercer			x	x			B			
Ishmael Br.	C	[1.5] 1.4	Mouth	9,36N,1E	Washington			x	x			B			
Island Cr.	C	[6.0] 8.9	Mouth	6,61N,32W	Gentry			x	x			B			
Isle du Bois Cr.	P	[3.0] 4.5	Mouth	18,39N,7E	Ste. Genevieve			x	x			B			
Isle du Bois Cr.	C	[2.0] 2.3	18,39N,7E	14,39N,6E	Ste. Genevieve			x	x			B			
Isum Cr.	C	[0.3] 0.5	Mouth	[30,42N,03E] 30,42N,04E	Jefferson			x	x			B			
Jack Buster Cr.	P	1.5	Mouth	10,41N,14W	Miller			x	x			B			
Jack Cr.	C	[0.5] 0.8	Mouth	19,33N,10E	Bollinger			x	x			B			
Jacks Fk.	P	[39.0] 61.6	Mouth	29,28N,7W	Shannon	Texas		x	x	x		A	x		
Jacktar Hollow	C	5.1	Mouth	22,32N,10W	Texas			x	x			B			
Jacobs Br.	P	[1.0] 1.6	Mouth	2,26N,33W	Newton			x	x			B			
Jakes Cr.	C	[10.0] 11.3	Mouth	24,35N,19W	Dallas			x	x			B			
Jam Up Cr.	P	3.0	Mouth	16,27N,6W	Shannon			x	x			B			
Jam Up Cr.	C	[2.0] 1.8	16,27N,6W	20,27N,6W	Shannon			x	x			B			
[Jamerson Cr.] Jemerson Cr.	C	[3.0] 3.4	Mouth	29,46N,12W	Boone			x	x			B			
James Bayou	C	3.5	12,23N,16E	26,23N,16E	Mississippi			x	x			B			
James Bayou	C	5.5	12,23N,16E	28,24N,16E	Mississippi			x	x			B			
[James Cr.] James Br.	P	1.5	Mouth	23,35N,3W	Crawford			x	x			B			
[James Cr.] James Br.	C	[1.5] 1.9	23,35N,3W	28,35N,3W	Crawford			x	x			B			
James Cr.	C	2.5	Mouth	17,35N,2E	Washington			x	x			B			
James R.	P	[28.0] 29.4	[10,24N,22W] Mouth	8,26N,22W	Stone			x	x	x	x	A	x		
James R.	P	[26.0] 23.5	8,26N,22W	Lk. Springfd. Dam	Stone	Greene		x	x	x	x	A	x		
James R.	P	[35.0] 39.0	[Hwy. 65] Mouth	24,29N,17W	Greene	Webster		x	x	x	x	A	x	x	
Jarvis Hollow	C	[1.5] 1.3	Mouth	23,38N,17W	Camden			x	x			B			
Jenkins Cr.	C	[2.5] 3.0	Mouth	1,24N,26W	Barry			x	x			B			
Jenkins Cr.	C	[6.0] 7.2	Mouth	8,62N,36W	Nodaway			x	x			B			
Jenkins Cr.	P	[2.5] 2.8	Mouth	7,27N,30W	Jasper			x	x			A			
Jenkins Cr.	C	[4.0] 4.8	7,27N,30W	[27,27N,30W] 22,27N,30W	Jasper	Newton		x	x			A			
Jerktail Br.	C	0.5	Mouth	11,34N,19W	Dallas			x	x			B			
Jesse Cr.	P	[1.0] 0.7	Mouth	21,29N,8E	Bollinger			x	x			B			
Jesse Cr.	C	2.0	21,29N,8E	9,29N,8E	Bollinger			x	x			B			
Joachim Cr.	P	[28.0] 30.2	Mouth	30,39N,5E	Jefferson			x	x			A	x		x
Joachim Cr.	C	2.5	30,39N,5E	4,38N,5E	Jefferson			x	x			A			
Joes Cr.	C	1.0	Mouth	23,34N,1E	Iron			x	x			B			
Johns Br.	C	[1.0] 1.3	Mouth	32,51N,4W	Pike			x	x			B			

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Johns Cr.	C	1.0	Mouth	6,35N,9E	Ste. Genevieve		x	x				B			
Johns Cr.	P	[1.0] 1.4	Mouth	22,36N,1W	Washington		x	x				B			
Johns Cr.	C	2.0	22,36N,1W	27,36N,1W	Washington		x	x				B			
Johnson Br.	C	1.0	Mouth	29,30N,9W	Texas		x	x							
Johnson Cr.	P	3.0	Mouth	36,29N,26W	Lawrence		x	x			x	A			
Johnson Hollow	C	1.0	Mouth	13,27N,20W	Christian		x	x				B			
Jonca Cr.	P	3.5	Mouth	[31,37N,8E] 36,37N,7E	Ste. Genevieve		x	x				B			
Jonca Cr.	C	[5.0] 6.0	[31,37N,8E] 36,37N,7E	8,36N,7E	Ste. Genevieve		x	x				B			
Jones Br.	C	[3.0] 3.2	Mouth	32,33N,19W	Dallas		x	x				B			
Jones Cr.	C	3.0	Mouth	8,32N,18W	Dallas		x	x				B			
Jones Cr.	C	[7.0] 8.0	Mouth	27,38N,11W	Pulaski		x	x				A			
Jones Cr.	P	3.5	Mouth	15,41N,03E	Jefferson		x	x				B			
Jones Cr.	P	[7.0] 7.5	Mouth	30,27N,30W	Jasper	Newton	x	x	x			A			
Jones Cr.	C	4.0	Mouth	4,42N,16W	Morgan		x	x				B			
Jordan Br.	C	[1.0] 1.2	Mouth	13,30N,26W	Dade		x	x				B			
Jordan Br.	C	[1.5] 1.8	Mouth	32,35N,9E	Perry		x	x				B			
Jordan Br.	C	[6.2] 7.2	Mouth	[County Line] 32,55N,35W	Platte	Buchanan	x	x				B			
[Jordan Br.]	[C]	[1.0]	[Mouth]	[11,37N,22W]	[Hickory]		[x]	[x]				[B]			
Jordan Cr.	C	[1.0] 1.4	Mouth	[10,57N,23W] 10,57N,33W	Dekalb		x	x				B			
Jordan Cr.	P	3.8	[29,29N,22W] Mouth	[13,29N,22W] 23,29N,22W	Greene		x	x				B			
Jordan Cr.	C	3.5	Mouth	16,49N,23W	Saline		x	x				B			
Jowler Cr.	C	8.9	Mouth	19,54N,34W	Platte		x	x				B			
Joyce Cr.	C	[5.0] 4.5	Mouth	16,24N,28W	Barry		x	x				B			
Judge Cr.	C	3.0	Mouth	19,36N,19W	Dallas		x	x				B			
[Jurden Br.] Jordan Br.	C	[2.0] 2.2	Mouth	15,37N,22W	Hickory		x	x				B			
Kaintuck Hollow Cr.	P	2.4	Mouth	15,36N,09W	Phelps		x	x				B			
Keelstone Br.	C	1.0	Mouth	2,48N,1E	Lincoln		x	x				B			
Keeney Cr.	C	[4.0] 4.9	Mouth	[Hwy. 210] 13,51N,29W	Ray		x	x				B			
Kelley Br.	C	[2.0] 1.3	Mouth	[24,50N,13W] 25,50N,13W	Boone		x	x				B			
Kelley Br.	C	[5.0] 5.8	Mouth	15,50N,12W	Boone		x	x					x		
Kelley Br.	C	[0.5] 0.8	Mouth	1,44N,17W	Moniteau		x	x				B			
[Kelley Hollow] Kelly Hollow	P	[0.5] 1.3	Mouth	[27,25N,3W] 26,25N,3W	Oregon		x	x				B			
Kelley Valley	C	[2.5] 2.7	Mouth	23,27N,3E	Wayne	[Carter]	x	x				B			
Kelley Valley	P	1.0	23,27N,3E	26,27N,3E	Wayne	Carter	x	x				B			
Kelly Hollow	C	1.0	Mouth	3,35N,1W	Washington		x	x				B			
Kenser Cr.	C	2.0	Mouth	[21,39N,12W] 22,39N,12W	Miller		x	x				B			
Kessler Cr.	C	[2.0] 2.2	Mouth	21,34N,6E	Madison		x	x				B			
Ketchum Hollow	C	[1.5] 1.9	Mouth	24,22N,27W	Barry		x	x							
Kettle Cr.	C	[1.0] 0.8	Mouth	31,58N,26W	Daviess		x	x				B			

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[Kiefer Cr.] Keifer Cr.	P	[0.5] 1.2	Mouth	[14,44N,04E] 15,44N,04E	St. Louis		x	x				B			
Kile Cr.	C	[1.0] 1.3	Mouth	28,51N,13W	Boone		x	x				B			
Kimsey Cr.	P	[1.0] 0.8	Mouth	19,59N,39W	Holt		x	x				B			
Kimsey Cr.	C	[3.5] 2.5	19,59N,38W	30,60N,38W	Holt		x	x				B			
Kimsey Cr.	P	[6.0] 6.7	30,60N,38W	34,61N,38W	Holt		x	x				B			
King Br.	C	[1.0] 1.5	Mouth	23,31N,22W	Greene		x	x				B			
King Br.	C	[1.5] 1.8	35,31N,22W	2,30N,22W	Greene		x	x				B			
Kings R.	P	[2.0] 1.6	Mouth	State Line	Barry	Stone	x	x				A	x		
Kings Valley	P	[2.0] 3.3	Mouth	33,23N,30W	McDonald		x	x				B			
Kinnemore Ditch	C	13.0	State Line	5,17N,8E	Dunklin		x	x				B			
Kitten Cr.	C	[4.0] 7.2	Mouth	34,37N,29W	St. Clair	Vernon	x	x				B			
Knob Cr.	C	[6.5] 8.4	Mouth	8,41N,32W	Bates		x	x					x		
Knobby Cr.	P	[1.0] 1.5	Mouth	34,40N,20W	Benton		x	x				B			
Knobby Cr.	C	1.0	34,40N,20W	[35,40N,20W] 3,39N,20W	Benton		x	x				B			
Knox Br.	C	1.0	Mouth	33,38N,1E	Washington		x	x				B			
Koen Cr.	C	1.0	Mouth	5,36N,5E	St. Francois		x	x							
Kolb Br.	C	[2.0] 1.6	Mouth	[2,38N,19W] 3,38N,19W	Camden		x	x				B			
Krone Br.	C	1.1	Mouth	29,40N,10W	Maries		x	x				B			
Kruze Cr.	P	[0.5] 0.9	Mouth	36,41N,03E	Jefferson		x	x				B			
Kyle Cr.	C	[8.0] 8.4	[23,31N,29W] Mouth	[35,31N,28W] 34,31N,28W	Barton	Dade	x	x				B			
L. Alder Cr.	C	[2.0] 1.6	Mouth	5,35N,27W	Cedar		x	x				B			
L. Apple Cr.	P	[3.5] 4.6	Mouth	13,33N,11E	Cape Girardeau		x	x				B			
L. Apple Cr.	C	[1.0] 1.2	13,33N,11E	24,33N,11E	Cape Girardeau		x	x				B			
L. Bear Cr.	C	[1.0] 1.2	Mouth	25,40N,15W	Miller		x	x				B			
L. Bear Cr.	C	1.0	Mouth	2,46N,5W	Montgomery		x	x				B			
L. Bear Cr.	C	4.0	Mouth	8,48N,3W	Montgomery		x	x				B			
L. Beaver Cr.	C	[4.0] 3.5	Mouth	8,37N,8W	Phelps		x	x				A			
L. Beaver Cr.	P	[9.0] 10.4	Mouth	36,26N,18W	Taney	Douglas	x	x	x			A	x		
L. Beaver Cr.	C	[4.0] 4.5	36,26N,18W	17,26N,17W	Douglas		x	x				B			
L. Berger Cr.	P	[4.5] 5.0	Mouth	17,45N,4W	Franklin	Gasconade	x	x				B			
L. Berger Cr.	C	[1.5] 1.2	17,45N,4W	19,45N,4W	Gasconade		x	x				B			
L. Black R.	P	[25.0] 30.2	State Line	31,24N,5E	Ripley	Butler	x	x	x			A	x		
L. Black R.	P	16.0	31,24N,5E	9,24N,3E	Butler	Ripley	x	x	x	x		A	x		
L. Blackwater Cr.	C	6.0	Mouth	36,47N,28W	Johnson		x	x				B			
L. Blair Cr.	C	2.0	Mouth	6,29N,2W	Shannon		x	x				B			
L. Blue R.	C	[4.0] 4.3	20,47N,32W	[36,47N,33W] 35,47N,33W	Jackson		x	x				B	x		
L. Blue R.	P	[39.1] 35.1	Mouth	Longview Dam	Jackson		x	x				B	x		
L. Boeuf Cr.	P	[1.0] 0.6	Mouth	[10,44N,2W] 2,44N,2W	Franklin		x	x				B			
L. Boeuf Cr.	C	[1.0] 2.8	[10,44N,2W] 2,44N,2W	14,44N,2W	Franklin		x	x				B			

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L. Bonne Femme Cr.	P	9.0	Mouth	[Hwy. 163] 1,47N,13W	Boone			x	x			B			
L. Boone Cr.	C	2.0	Mouth	22,41N,3W	Franklin			x	x			B			
L. Bottom Cr.	C	[1.0] 0.6	Mouth	31,38N,8E	Ste. Genevieve			x	x			B			
L. Bourbeuse Cr.	C	[11.0] 9.6	Mouth	20,39N,7W	Phelps	Maries		x	x			B			
L. Bourbeuse R.	P	[13.0] 13.4	Mouth	26,40N,4W	Franklin	Crawford		x	x			B			
L. Bourbeuse R.	C	[2.0] 3.0	26,40N,4W	3,39N,4W	Crawford			x	x			B			
L. Brazil Cr.	P	[1.5] 2.1	Mouth	18,38N,1W	Washington			x	x			B			
L. Brazil Cr.	C	[0.5] 1.0	18,38N,1W	19,38N,1W	Washington			x	x			B			
L. Brush Cr.	C	7.0	Mouth	10,59N,17W	Macon			x	x			B			
L. Brushy Cr.	C	2.0	Mouth	18,27N,4E	Wayne			x	x			B			
L. Buffalo Cr.	P	[6.0] 5.6	Mouth	11,41N,19W	Morgan			x	x			B			
L. Calumet Cr.	P	[1.0] 1.4	Mouth	2,53N,1W	Pike			x	x			B			
L. Calumet Cr.	C	[1.0] 1.4	2,53N,1W	10,53N,1W	Pike			x	x			B			
L. Calvey Cr.	C	1.0	Mouth	9,42N,2E	Franklin			x	x			B			
L. Cane Cr.	C	[2.0] 3.4	State Line	26,22N,5E	Butler		x	x	x			B			
L. Cedar Cr.	C	2.0	17,48N,11W	05,48N,11W	Boone			x	x			B			
L. Cedar Cr.	C	[4.0] 4.6	Mouth	17,48N,11W	Boone			x	x			B			
L. Chariton R.	P	[13.5] 12.9	Mouth	5,52N,17W	Chariton			x	x			B			
L. Clear Cr.	C	[1.0] 1.3	Mouth	8,34N,30W	Vernon			x	x			B			
L. Clear Cr.	C	[4.0] 5.0	Mouth	1,36N,28W	St. Clair			x	x			B			
L. Coon Cr.	C	4.0	Mouth	6,30N,29W	Barton			x	x			B			
L. Courtois Cr.	P	2.0	Mouth	2,39N,1W	Washington			x	x			B			
L. Courtois Cr.	C	2.0	2,39N,1W	15,39N,1W	Washington			x	x			B			
L. Crane Cr.	C	6.0	Mouth	4,25N,25W	Stone	Barry		x	x			B	x		
L. Crooked Cr.	C	[3.5] 4.7	Mouth	20,57N,11W	Shelby			x	x			B			
L. Crooked Cr.	P	[2.5] 3.2	Mouth	33,31N,9E	Bollinger			x	x			A			
L. Crooked Cr.	C	[2.5] 2.7	33,31N,9E	32,31N,9E	Bollinger			x	x			B			
L. Dardenne Cr.	C	[4.0] 7.4	Mouth	10,46N,1E	St. Charles			x	x			B			
L. Deer Cr.	C	9.0	Mouth	01,38N,21W	Benton			x	x			B			
L. Deer Cr.	C	[3.0] 3.7	Mouth	31,42N,30W	Bates			x	x			B			
L. Dry Fk.	P	[5.0] 5.2	Mouth	[8,37N,7W] 17,37N,7W	Phelps			x	x			B	x		
L. Dry Fk.	C	[4.5] 4.7	[8,37N,7W] 17,37N,7W	5,36N,7W	Phelps			x	x			B			
[L. Drywood Cr.] L. Dry Wood Cr.	P	[17.0] 20.5	Mouth	[13,34N,32W] 12,34N,32W	Vernon			x	x			B			
[L. Drywood Cr.] L. Dry Wood Cr.	C	[10.0] 15.6	[13,34N,32W] 12,34N,32W	20,33N,31W	Vernon	Barton		x	x			B			
L. E. Fk. Locust Cr.	C	[9.0] 8.8	Mouth	30,62N,19W	Sullivan			x	x			B			
L. Fabius R.	C	[21.5] 36.4	Mouth	17,61N,12W	Knox			x	x			B	x		
L. Finley Cr.	P	[5.0] 5.5	Mouth	5,28N,17W	Webster			x	x			B			
L. Flat Cr.	P	[3.5] 3.9	Mouth	25,25N,27W	Barry			x	x		x	A	x		
L. Flat Cr.	C	[2.0] 2.7	25,25N,27W	34,25N,27W	Barry			x	x			B	x		
L. Flora Cr.	P	[2.5] 3.4	Mouth	Sur 2201,31N,14E	Cape Girardeau			x	x			B			
L. Fourche a Renault Cr.	P	1.0	Mouth	26,38N,1E	Washington			x	x			B			
L. Fourche a Renault Cr.	C	[3.0] 2.8	26,38N,1E	2,37N,1E	Washington			x	x			B			
L. Fox Cr.	P	[0.4] 0.7	Mouth	31,44N,03E	St. Louis			x	x			B			

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L. Fox R.	P	[17.0] 19.8	Mouth	34,67N,10W	Clark	Scotland		x	x			B			
L. Fox R.	C	[4.5] 3.7	34,67N,10W	19,67N,10W	Scotland			x	x			B			
L. Gravois Cr.	P	[5.0] 4.0	Mouth	21,42N,17W	Morgan			x	x			A	x		
L. Gravois Cr.	P	[4.0] 4.2	Mouth	1,40N,16W	Miller			x	x			A			
L. Gravois Cr.	C	3.0	1,40N,16N	30,41N,15W	Miller			x	x			B			
L. Hazel Cr.	P	1.5	Mouth	29,36N,1E	Washington			x	x			B			
L. Hazel Cr.	C	0.5	29,36N,1E	32,36N,1E	Washington			x	x			B			
L. Hogles Cr.	P	1.2	Mouth	09,39N,23W	Benton			x	x			B			
L. Hogles Cr.	C	[1.5] 1.7	09,39N,23W	16,39N,23W	Benton			x	x			B			
L. Horseshoe Cr.	C	[5.4] 5.1	Mouth	11,48N,29W	Jackson	Lafayette		x	x			B			
L. Hunting Slough	C	5.0	Mouth	14,22N,6E	Butler		x	x	x			B			
L. Hurricane Cr.	C	[3.0] 4.0	Mouth	7,24N,3W	Oregon			x	x			B			
L. Hurricane Cr.	C	[1.0] 1.6	Mouth	1,54N,22W	Carroll			x	x			B			
L. Indian Cr.	P	[2.0] 2.7	Mouth	[19,32N,13E] 19,32N,14E	Cape Girardeau			x	x			B			
L. Indian Cr.	C	2.0	[19,32N,13E] 19,32N,14E	25,32N,13E	Cape Girardeau			x	x			B			
L. Indian Cr.	P	[8.0] 8.7	Mouth	30,40N,2E	Franklin	Washington		x	x			B			
L. Indian Cr.	C	1.0	30,40N,2E	31,40N,2E	Washington			x	x			B			
[L. Indian Cr.] Middle Indian Cr.	C	2.5	Mouth	19,27N,10W	Douglas	Howell		x	x			B			
L. Lake Cr.	C	[4.0] 5.1	Mouth	31,29N,5E	Wayne			x	x			B			
L. Lead Cr.	C	4.0	27,50N,2W	20,50N,2W	Lincoln			x	x			B			
L. Lindley Cr.	C	[3.0] 3.7	Mouth	15,34N,20W	Dallas			x	x			B			
L. Lost Cr.	C	1.5	Mouth	18,46N,3W	Warren			x	x			B			
L. Lost Cr.	P	[1.5] 1.7	Mouth	26,37N,1W	Washington			x	x			B			
L. Lost Cr.	P	[4.5] 5.8	Mouth	28,25N,33W	Newton			x	x			B			
L. Loutre Cr.	C	[10.0] 10.3	Mouth	5,49N,6W	Montgomery			x	x			B			
L. Maries Cr.	P	[7.0] 8.5	Mouth	24,42N,11W	Osage			x	x	x		B			
L. Maries Cr.	C	1.0	24,42N,11W	23,42N,11W	Osage			x	x			B			
L. Maries R.	P	[6.0] 6.9	Mouth	12,40N,11W	Maries			x	x			B			
L. Maries R.	C	[12.0] 12.3	12,40N,11W	28,39N,11W	Maries			x	x			B			
L. Meramec R.	P	[2.5] 3.5	Mouth	7,41N,2E	Franklin			x	x			B			
L. Mill Cr.	P	[4.8] 5.9	Mouth	33,38N,21W	Hickory			x	x			B			
L. Monegaw Cr.	C	[4.0] 9.0	Mouth	36,39N,27W	St. Clair			x	x			B			
L. Moniteau Cr.	P	[3.0] 3.3	Mouth	3,45N,14W	Moniteau			x	x			A			
L. Moniteau Cr.	C	[4.0] 5.1	3,45N,14W	18,45N,14W	Moniteau			x	x			B			
L. Muddy Cr.	P	2.0	Mouth	Sur 2219,32N,10E	Cape Girardeau	Bollinger		x	x			B			
L. Muddy Cr.	C	[5.5] 6.8	Sur 2219, 32N,10E	Sur 3144,33N,10E	Bollinger			x	x			B	x		
L. Muddy Cr.	C	[3.0] 4.1	Mouth	17,60N,27W	Daviess			x	x			B			
L. Muddy Cr.	C	[5.5] 7.1	Mouth	State Line	Mercer			x	x			B			
L. Muddy Cr.	C	[7.3] 7.5	Mouth	18,46N,22W	Pettis			x	x			B			
L. Mussel Cr.	C	[3.0] 4.4	Mouth	17,61N,17W	Adair			x	x			B			
[L. N. Fk. Spring R.] L. N. Fork	C	[13.0] 15.1	Mouth	30,31N,32W	Jasper	Barton	x	x	x			B			
L. N. Fk. White R.	P	[5.0] 8.9	Mouth	36,24N,16W	Ozark			x	x	x		B			
L. N. Fk. White R.	C	[6.0] 6.9	36,24N,16W	3,24N,16W	Ozark			x	x	x		B			

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L. Niangua R.	P	[43.0] 43.8	Mouth	26,36N,19W	Camden	Dallas		x	x	x		A		x	
L. Niangua R.	C	[7.0] 8.0	26,36N,19W	20,35N,19W	Dallas			x	x			A		x	
L. No Cr.	C	[4.0] 4.9	[14,62N,23W] Mouth	30,63N,22W	Grundy			x	x			B			
L. Noix Cr.	C	[1.5] 1.7	Mouth	28,54N,2W	Pike			x	x			B			
L. Osage R.	P	[6.3] 27.4	[Mouth] 19,38N,29W	18,37N,31W	Vernon			x	x			B			
L. Osage R.	C	[16.0] 23.6	18,37N,31W	18,37N,33W	Vernon			x	x			B			
L. Otter Cr.	C	[4.0] 6.2	Mouth	6,55N,11W	Monroe			x	x			B			
L. Otter Cr.	C	3.0	Mouth	4,56N,27W	Caldwell			x	x			B			
L. Paddy Cr.	C	3.5	Mouth	36,33N,11W	Texas			x	x			B			
L. Pike Cr.	C	[2.0] 1.6	Mouth	3,26N,2W	Carter			x	x			B			
[L. Pine Cr.] L. Piney Cr.	C	[1.5] 1.9	Mouth	12,33N,12W	Texas			x	x			B			
[L. Piney Cr.] Trib to Roubidoux Cr.	C	[2.0] 3.6	Mouth	[7,33N,12W] 7,33N,11W	Pulaski	Texas		x	x			B			
L. Piney Cr.	P	[6.0] 7.2	Mouth	25,37N,9W	Phelps			x	x	x		A		x	
L. Piney Cr.	P	[15.0] 13.5	25,37N,9W	4,35N,8W	Phelps			x	x		x	A		x	
L. Piney Cr.	C	[4.0] 5.4	4,35N,8W	21,35N,8W	Phelps			x	x		x	B			
L. Platte R.	P	[10.5] 13.3	Mouth	Smithville Dam	Platte	Clay		x	x			B		x	
L. Platte R.	C	[19.0] 24.3	[24,55N,32W] Mouth	28,57N,31W	Clinton			x	x			B		x	
L. Pomme de Terre R.	C	[7.0] 5.0	[Mouth] 15,38N,23W	[22,38N,23W] 3,37N,23W	Benton	Hickory		x	x	x		A		x	
L. Pomme de Terre R.	C	6.0	Mouth	25,31N,21W	Polk	Greene		x	x			B			
L. Pomme de Terre R.	P	[14.9] 15.8	Mouth	[03,37N,23W] 15,38N,23W	Benton	Hickory		x	x			A		x	
L. Profits Cr.	P	[1.5] 1.7	Mouth	30,42N,11W	Osage			x	x			B			
L. Profits Cr.	C	0.5	30,42N,11W	30,42N,11W	Osage			x	x			B			
L. Ramsey Cr.	C	1.0	Mouth	16,52N,1E	Pike			x	x			B			
L. Richland Cr.	C	[5.0] 5.5	Mouth	12,44N,18W	Morgan			x	x			A		x	
L. Rock Cr.	C	[2.0] 2.3	Mouth	[17,32N,5E] 8,32N,5E	Madison			x	x			B			
L. Rocky Cr.	P	[1.0] 0.7	Mouth	12,28N,3W	Shannon			x	x			B			
L. Rocky Cr.	C	[1.0] 0.5	12,28N,3W	1,28N,3W	Shannon			x	x			B			
L. Sac R.	P	[29.0] 37.0	Mouth	McDaniel Lk. Dam	Polk	Greene		x	x	x		A		x	
L. Sac R.	P	[1.0] 1.3	[19,30N,21W] Mouth	17,30N,21W	Greene			x	x			B			
L. Sac R.	C	[3.0] 2.2	17,30N,21W	Fellows Lake Dam	Greene			x	x			B			
L. Sac R.	C	[2.0] 2.3	[19,30N,20W] Mouth	21,30N,20W	Greene			x	x			B			
L. Saline Cr.	P	[5.0] 5.4	Mouth	29,41N,14W	Miller			x	x			B			
L. Saline Cr.	P	[9.0] 10.3	Mouth	24,36N,8E	Ste. Genevieve			x	x			B			
L. Sandy Cr.	C	6.0	Mouth	9,51N,1W	Lincoln			x	x			B			
L. Shaver Cr.	C	[4.9] 4.5	Mouth	04,45N,20W	Pettis			x	x			B		x	
L. Shawnee Cr.	P	2.0	Mouth	29,29N,3W	Shannon			x	x			B			
L. Shawnee Cr.	C	2.0	29,29N,3W	4,28N,3W	Shannon			x	x			B			
L. Shoal Cr.	P	[1.5] 1.9	Mouth	13,36N,2W	Crawford			x	x			A			
L. Shoal Cr.	C	3.3	Mouth	24,51N,32W	Clay			x	x			B			

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L. Shoal Cr.	C	[4.5] 8.7	Mouth	[14,66N,16W] 4,66N,16W	Putnam			x	x			B			
L. Sinking Cr.	P	4.0	Mouth	26,32N,3W	Shannon	Dent		x	x			B			
L. Sinking Cr.	C	1.0	26,32N,3W	[26,32N,3W] 23,32N,3W	Dent			x	x			B			
L. Sni-a-bar Cr.	P	[5.0] 6.7	Mouth	30,50N,27W	Lafayette			x	x			B			
L. Sni-a-bar Cr.	C	[7.0] 7.5	30,50N,27W	16,49N,27W	Lafayette			x	x			B			
L. Splice Cr.	P	[1.0] 1.7	Mouth	16,47N,14W	Moniteau			x	x			B			
L. Splice Cr.	C	[2.5] 2.3	16,47N,14W	20,47N,14W	Moniteau			x	x			B			
L. St. Francis R.	P	[27.7] 32.4	Mouth	32,35N,07E	Madison	St. Francois		x	x	x		A	x	x	
L. St. Francis R.	C	0.8	32,35N,7E	32,35N,7E	Madison	St. Francois		x	x			B			
L. Sugar Cr.	C	4.0	Mouth	10,49N,1E	Lincoln			x	x			B			
L. Sugar Cr.	P	[11.0] 13.2	[34,22N,32W] Mouth	State Line	McDonald		x	x	x	x		A	x		
L. Tabo Cr.	C	[7.0] 9.2	Mouth	3,50N,25W	Lafayette			x	x			B			
L. Tarkio Cr.	P	[17.5] 17.7	Mouth	19,63N,39W	Holt			x	x			B	x		
L. Tarkio Cr.	C	[14.5] 15.4	[19,63N,39W] 30,63N,39W	[13,65N,38W] 13,65N,39W	Atchison			x	x			B			
L. Tarkio Ditch	P	[5.5] 6.6	Mouth	[11,60N,39W] 36,61N,39W	Holt			x	x			B			
L. Taum Sauk Cr.	C	[1.5] 2.3	Mouth	25,33N,2E	Reynolds			x	x			B			
L. Tavern Cr.	C	4.0	Mouth	[34,42N,13W] 33,42N,13W	Miller	Cole		x	x	x		A			
L. Tavern Cr.	P	[1.0] 1.5	33,39N,12W	34,39N,12W	Miller			x	x			B			
L. Tavern Cr.	C	1.5	34,39N,12W	10,38N,12W	Miller			x	x			B			
L. Tavern Cr.	P	[11.0] 11.2	Mouth	5,39N,11W	Miller	Maries		x	x			A			
L. Tavern Cr.	C	1.0	Mouth	11,44N,2E	Franklin			x	x			B			
L. Tavern Cr.	C	[1.4] 2.7	05,39N,11W	07,39N,11W	Maries			x	x			B			
L. Tavern Cr.	C	1.0	Mouth	36,46N,7W	Callaway			x	x			B			
L. Tebo Cr.	C	[4.5] 6.0	Mouth	[29,42N,22W] 20,42N,22W	Benton			x	x			B			
L. Third Cr.	C	[4.0] 4.6	Mouth	23,42N,7W	Osage			x	x			B			
L. Third Fk. Platte R.	C	[20.0] 26.0	Mouth	27,60N,32W	Dekalb			x	x			B			
L. Turkey Cr.	C	[2.0] 2.3	Mouth	36,40N,22W	Benton			x	x			B			
L. Walnut Cr.	C	[2.5] 2.3	18,60N,16W	14,60N,17W	Macon			x	x			B			
L. Walnut Cr.	C	[3.0] 2.8	Mouth	26,47N,24W	Johnson			x	x			B			
L. Weaubleau Cr.	P	[5.7] 5.9	Mouth	09,36N,23W	St. Clair	Hickory		x	x	x		B	x		
L. Weaubleau Cr.	C	3.3	[Mouth] 9,36N,23W	[9,36N,23W] 12,36N,23W	St. Clair	Hickory		x	x			A			
L. Whitewater Cr.	P	[21.0] 24.2	Mouth	16,33N,9E	Cape Girardeau	Bollinger		x	x			A			
[L. Whitewater Cr.] Trtib to L. Whitewater Cr.	C	1.0	16,33N,9E	17,33N,9E	Bollinger			x	x			B			
L. Wilson Cr.	P	[3.5] 2.9	Mouth	25,32N,21W	Polk			x	x			B			
L. Wilson Cr.	C	[2.0] 2.3	25,32N,21W	32,32N,20W	Dallas			x	x			B			
L. Wyaconda R.	P	[6.0] 7.4	Mouth	34,64N,8W	Clark			x	x			B			
L. Wyaconda R.	C	[4.0] 7.5	34,64N,8W	25,64N,9W	Clark			x	x			B			
Labadie Cr.	P	[3.0] 5.0	Mouth	31,44N,2E	Franklin			x	x			B			
LaBarque Cr.	P	[4.0] 4.5	Mouth	32,43N,3E	Jefferson			x	x			B			

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Ladies Br.	C	[7.0] 7.8	Mouth	24,37N,30W	Vernon			x	x			B			
Lake Cr.	C	[9.7] 10.2	12,44N,20W	17,43N,20W	Pettis	Benton		x	x	x		B			
Lake Cr.	C	[4.0] 5.7	Mouth	20,54N,19W	Chariton			x	x			B			
Lake Cr.	C	[9.5] 3.3	Mouth	29,58N,25W	Livingston			x	x			B			
Lake Cr.	P	[4.3] 5.4	Mouth	12,44N,20W	Pettis	[Morgan]		x	x	x		B			
Lake Cr.	C	6.6	Mouth	34,58N,25W	Livingston			x	x			B			
Lake Ditch	C	1.8	Mouth	01,42N,09W	Osage			x	x			B			
Lake Slough	C	[13.0] 9.3	3,23N,7E	[1,25N,7E] 31,25N,8E	Butler			x	x			B			
Lamine R.	P	[54.0] 64.0	Mouth	13,45N,19W	Cooper	Morgan	x	x	x			A	x		
Landing Cr.	C	1.0	Mouth	16,42N,12W	Cole			x	x			B			
Landon Br.	C	3.0	Mouth	5,34N,31W	Vernon			x	x			B			
Lanes Fk.	C	[2.5] 2.8	Mouth	32,39N,7W	Maries			x	x			B			
Larry Cr.	C	[1.0] 1.2	Mouth	2,59N,28W	Daviess			x	x			B			
Lateral #2	C	[2.0] 2.4	Mouth	8,18N,12E	Pemiscot			x	x			B			
Lateral #2 Main Ditch	P	11.5	24,23N,10E	25,25N,10E	Stoddard			x	x			B			
Lateral #2 Main Ditch	C	[3.0] 4.1	25,25N,10E	[6,25N,10E] 6,25N,11E	Stoddard			x	x			B			
Lateral #27	P	6.0	29,16N,9E	30,16N,10E	Dunklin			x	x			B			
Lateral #27	C	[3.0] 3.3	Mouth	32,20N,13E	Pemiscot			x	x			B			
Lateral #4	C	[3.0] 3.2	Mouth	21,27N,14E	Scott		x	x	x			B	x		
Lateral Ditch	C	2.0	Mouth	32,22N,8E	Butler			x	x			B			
Lateral Ditch	C	[6.0] 5.8	Mouth	3,22N,7E	Butler			x	x			B			
Lateral Ditch #1	C	4.0	Mouth	19,23N,10E	Dunklin			x	x			B			
Lateral Ditch #2	C	[3.0] 2.4	Mouth	9,22N,10E	Dunklin			x	x				x		
Lateral Ditch #37	C	[5.0] 4.3	Mouth	20,22N,8E	Butler			x	x			B			
Laurie Hollow	C	[1.0] 1.4	Mouth	18,39N,17W	Camden			x	x			B			
Lead Cr.	P	1.0	Mouth	7,49N,1W	Lincoln			x	x			B			
Lead Cr.	C	[6.0] 7.5	7,49N,1W	27,50N,2W	Lincoln			x	x			B			
Leatherwood Cr.	P	[1.0] 1.7	Mouth	9,31N,5E	Madison			x	x			B			
Leatherwood Cr.	C	[3.0] 2.5	9,31N,5E	6,31N,5E	Madison			x	x			B			
Lee Hollow	C	1.0	Mouth	27,26N,7W	Howell			x	x			B			
Lee Rowe Ditch	C	6.0	[30,25N,16E] 30,24N,16E	[30,24N,16E] 30,25N,16E	Mississippi			x	x			B			
Leeper Cr.	C	[8.0] 8.4	Mouth	21,58N,23W	Livingston			x	x			B			
Lewis Slough	C	2.0	Mouth	32,67N,42W	Atchison			x	x			B			
Lick Br.	C	1.5	Mouth	2,24N,10W	Howell			x	x			B			
Lick Br.	C	[6.9] 6.6	Mouth	19,43N,29W	Cass			x	x			B			
Lick Cr.	C	[8.5] 5.5	Mouth	9,53N,7W	Ralls			x	x			B			
Lick Cr.	P	2.0	Mouth	2,38N,4W	Crawford			x	x			B			
Lick Cr.	C	[2.0] 2.5	2,38N,4W	27,39N,4W	Crawford			x	x			B			
Lick Cr.	C	1.0	Mouth	32,22N,16W	Ozark			x	x			B			
Lick Cr.	P	[4.5] 6.8	[Hwy. J] 25,22N,13W	[19,22N,12W] 19,22N,13W	Ozark			x	x			B			
Lick Cr.	C	[5.0] 6.1	19,22N,13W	30,23N,13W	Ozark			x	x			B			
Lick Cr.	C	[3.5] 4.2	Mouth	6,27N,8E	Wayne			x	x			B			
Lick Cr.	P	[3.0] 3.4	Mouth	[Hwy. J] 25,22N,13W	Ozark			x	x			A			

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Lick Cr. Ditch	C	[16.0] 16.2	33,25N,9E	15,26N,10E	Stoddard			x	x						x
Lick Fk	C	8.9	Mouth	02,50N,27W	Lafayette			x	x					B	
Lick Fk.	C	[8.0] 10.1	Mouth	[14,51N,13W] 15,51N,13W	Boone			x	x					B	
Lick Fk.	P	[6.0] 5.7	Mouth	30,58N,26W	Daviess			x	x					B	
Lick Fk.	C	[9.0] 9.8	30,58N,26W	7,57N,27W	Daviess	Caldwell		x	x					B	
Lick Fk.	C	[1.5] 1.9	Mouth	2,50N,15W	Howard			x	x					B	
Lick Fk.	C	0.5	Mouth	20,44N,16W	Moniteau			x	x					B	
[Lick Fk. Gasconade R.] Gasconade R.	P	[13.5] 11.2	6,29N,14W	26,29N,16W	Wright			x	x					B	
[Lick Fk. Gasconade R.] Gasconade R.	C	[4.5] 4.8	26,29N,16W	19,29N,16W	Wright	Webster		x	x					B	
Lick Log Cr.	P	[2.0] 1.6	Mouth	[29,29N,8E] 32,29N,8E	Bollinger			x	x					B	
Lick Log Cr.	C	[1.0] 1.2	[29,29N,8E] 32,29N,8E	31,29N,8E	Bollinger			x	x					B	
Ligett Cr.	C	1.0	Mouth	9,26N,5E	Butler			x	x					B	
Limestone Cr.	P	[7.0] 8.4	Mouth	24,30N,27W	Dade			x	x	x				A	
Lincoln Cr.	C	[7.0] 7.4	Mouth	14,60N,36W	Andrew			x	x					B	
Lindley Cr.	P	[22.0] 24.1	Mouth	20,34N,20W	Hickory	Dallas		x	x					B	
Lindley Cr.	C	[2.0] 2.4	20,34N,20W	32,34N,20W	Dallas			x	x					[B]	
Line Cr.	C	[6.8] 7.0	Mouth	Lake Waukomis	Platte			x	x					B	
Liner Cr.	C	[1.0] 1.4	Mouth	9,21N,12W	Ozark			x	x					B	
Linn Cr.	C	[3.0] 2.3	Mouth	[36,66N,9W] 31,66N,8W	Clark			x	x					B	
Linn Cr.	C	[7.0] 6.0	Mouth	7,43N,8W	Osage			x	x					B	
Little Cr.	C	[1.0] 1.2	Mouth	25,51N,12W	Boone			x	x					B	
Little Cr.	C	1.5	Mouth	3,40N,5E	Jefferson			x	x					B	
Little Cr.	C	5.0	Mouth	17,24N,15W	Ozark			x	x					B	x
Little Cr.	C	[2.0] 2.5	Mouth	36,22N,14W	Ozark			x	x					B	
Little Cr.	C	8.0	Mouth	1,25N,8W	Howell			x	x					B	
Little Cr.	C	4.0	Mouth	26,32N,4W	Shannon	Dent		x	x					B	
Little Cr.	C	[2.0] 2.7	Mouth	[20,34N,1W] 19,34N,1W	Iron			x	x					B	
Little Cr.	C	1.0	Mouth	12,32N,3E	Iron			x	x					B	
Little Cr.	P	[2.5] 3.1	Mouth	[36,28N,6E] 35,28N,6E	Wayne			x	x					B	
Little Cr.	C	[2.5] 2.7	Mouth	[Hwy CC] 3,42N,3W	Franklin			x	x					B	
Little Cr.	C	[8.0] 11.3	Mouth	31,65N,28W	Harrison			x	x					B	
Little Cr.	C	[3.0] 3.5	Mouth	11,46N,28W	Johnson			x	x					B	
Little Cr.	P	[3.0] 2.7	Mouth	8,30N,7E	Wayne			x	x					B	
Little R.	P	[7.0] 8.0	Mouth	State Line	Mercer			x	x					B	
Littleby Cr.	C	[15.0] 16.0	Mouth	24,51N,8W	Audrain			x	x					B	
Locust Cr.	P	[84.0] 91.7	Mouth	State Line	Chariton	Putnam		x	x				B	x	x
Log Cr.	C	[7.0] 8.8	Mouth	6,55N,28W	Caldwell			x	x					B	x
Logan Cr.	P	[5.5] 7.2	Mouth	36,23N,3E	Ripley			x	x					B	
Logan Cr.	C	[6.0] 7.5	36,23N,3E	9,23N,3E	Ripley			x	x					B	

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Logan Cr.	P	[19.0] 36.0	[22,29N,2E] 27,29N,2E	[25,31N,2W] 26,31N,2W	Reynolds			x	x			A	x		
Logan Cr.	C	[5.5] 5.8	Mouth	30,46N,7W	Callaway			x	x			B			
Logan Cr.	C	[3.0] 3.4	Mouth	19,44N,13W	Cole			x	x			B			
Long Br.	C	29.0	7,53N,8W	7,52N,11W	Monroe	Audrain		x	x			B			
Long Br.	P	[5.3] 5.5	Mouth	06,45N,23W	Pettis	Johnson		x	x			B			
Long Br.	C	3.0	Mouth	29,66N,38W	Atchison			x	x			B			
Long Br.	C	3.0	Mouth	[33,37N,19W] 28,37N,19W	Camden			x	x			B			
Long Br.	P	[6.0] 6.3	Mouth	6,62N,34W	Nodaway			x	x			B			
Long Br.	C	[11.5] 15.0	6,62N,34W	8,64N,34W	Nodaway			x	x			B			
Long Br.	C	[0.8] 1.5	Mouth	27,45N,25W	Johnson			x	x			B			
Long Br.	C	[1.9] 2.1	Mouth	24,40N,11W	Maries			x	x			B			
Long Br.	C	[5.0] 5.7	Mouth	19,62N,31W	Gentry			x	x			B			
Long Br.	C	[13.0] 14.5	Mouth	11,59N,20W	Linn			x	x			B		x	
Long Br.	C	[7.0] 8.8	Mouth	18,55N,18W	Chariton			x	x			B			
Long Br.	C	[4.5] 6.0	06,45N,23W	09,45N,24W	Pettis	Johnson		x	x			B			
Long Branch Cr.	C	[13.0] 14.8	[5,58N,14W] 18,58N,14W	19,60N,14W	Macon			x	x			B	x		
Long Cr.	C	2.3	Mouth	16,40N,08W	Maries			x	x			B			
Long Cr.	C	[3.0] 3.3	Mouth	4,55N,28W	Caldwell			x	x			B			
Long Cr.	C	[4.0] 5.0	Mouth	26,54N,18W	Chariton			x	x			B			
Long Gravel Br.	P	1.0	Mouth	5,33N,5E	Madison			x	x			B			
Long Grove Br.	C	[3.0] 3.2	31,48N,20W	07,47N,20W	Pettis			x	x			B			
Long Grove Br.	P	0.9	Mouth	31,48N,20W	Pettis			x	x			B			
Long Run	C	[1.5] 1.9	Mouth	27,23N,16W	Ozark			x	x			B			
Longan Br.	C	[2.0] 2.3	26,41N,16W	14,41N,16W	Miller			x	x			B			
Longs Cr.	C	1.0	Mouth	Sur 768,33N,9E	Bollinger			x	x			B			
Loose Cr.	C	[9.0] 8.5	16,44N,9W	10,43N,9W	Osage			x	x			B			
Loose Cr.	P	[7.0] 9.5	Mouth	16,44N,9W	Osage			x	x			B			
Lost Camp Cr.	C	[5.0] 5.3	Mouth	20,26N,8W	Howell			x	x			B			
Lost Cr.	P	[7.0] 6.4	Mouth	15,46N,3W	Warren			x	x	x		B			
Lost Cr.	C	[4.0] 3.8	15,46N,3W	2,46N,3W	Warren			x	x			B			
Lost Cr.	P	[7.0] 8.3	Mouth	19,37N,1E	Crawford	Washington		x	x			B			
Lost Cr.	C	3.0	19,37N,1E	29,37N,1E	Washington			x	x			B			
Lost Cr.	P	1.0	Mouth	5,35N,3E	Washington			x	x			B			
Lost Cr.	C	[2.0] 2.5	5,35N,3E	9,35N,3E	Washington			x	x			B			
Lost Cr.	P	8.5	State Line	14,25N,33W	Newton			x	x	x		A	x		
Lost Cr.	C	[22.0] 25.2	Mouth	[36,61N,32W] King Lake	Dekalb	[Gentry]		x	x			B			
Lost Cr.	C	[5.0] 5.5	15,64N,16W	5,64N,15W	Schuyler			x	x			B			
Lost Cr.	C	1.8	Mouth	36,61N,32W	Dekalb	Gentry		x	x			B			
[Lottie Cr.] Lottie Hollow	C	[0.5] 1.0	Mouth	35,24N,12W	Ozark			x	x			B			
Lotts Cr.	C	[10.0] 9.7	Mouth	8,66N,29W	Worth	Harrison		x	x			B			
Loutre Cr.	C	[4.0] 4.5	Mouth	30,46N,4W	Warren			x	x			B			
Loutre R.	P	[36.0] 39.4	Mouth	5,48N,6W	Montgomery			x	x			B			
Loutre R.	C	[13.5] 15.1	5,48N,6W	36,50N,8W	Montgomery	Audrain		x	x			B			

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Loutre Slough	P1	5.5	Mouth	19,46N,4W	Warren			x	x			B			
Lovejoy Cr.	P	1.0	Mouth	[19,33N,14E] Sur 2246,33N,14E	Cape Girardeau			x	x			B			
Lovejoy Cr.	C	1.5	[19,33N,14E] Sur 2246, 33N,14E	24,33N,13E	Cape Girardeau			x	x			B			
Lower Peavine Cr.	C	1.0	Mouth	11,40N,7W	Maries			x	x			B			
Ludecker Hollow	C	[1.5] 2.0	Mouth	4,23N,14W	Ozark			x	x			B			
Lumpkin Cr.	C	0.5	[20,47N,32W] Mouth	29,47N,32W	Jackson			x	x			B			
Luther Br.	C	0.6	Mouth	32,38N,06W	Phelps			x	x			B			
Luystown Cr.	C	2.0	Mouth	16,44N,8W	Osage			x	x			B			
Luzon Br.	C	1.0	13,44N,10W	24,44N,10W	Osage			x	x			B			
Luzon Br.	P	0.7	Mouth	13,44N,10W	Osage			x	x			B			
Lyman Cr.	C	1.0	Mouth	30,40N,3W	Crawford			x	x		x	A			
[M. Fk. Chariton R.] M. Fk. L. Chariton R.	C	[15.0] 17.6	[8,56N,15W] Mouth	3,58N,15W	Macon			x	x			B			
[M. Fk. Chariton R.] M. Fk. Little Chariton R.	P	[24.5] 31.5	Mouth	[Thomas Hill Res. Dam] 24,55N,16W	Chariton	Randolph		x	x			B		x	
M. Fk. Fourche a Renault Cr.	C	[4.0] 1.8	[23,37N,1E] Mouth	25,37N,1E	Washington			x	x			B			
M. Fk. Salt R.	P	[49.0] 58.1	[9,54N,9W] Mouth	16,56N,13W	Monroe	Macon		x	x	x		B	x	x	
Mace Cr.	C	[6.0] 5.8	Mouth	25,59N,36W	Andrew			x	x			B			
Macks Cr.	P	[8.0] 8.7	Mouth	[Hwy. 54] 12,37N,19W	Camden			x	x			B			
Macks Cr.	C	[2.5] 2.8	[Hwy. 54] 12,37N,19W	23,37N,19W	Camden			x	x			B			
Madden Cr.	C	4.5	Mouth	29,36N,8E	Ste. Genevieve			x	x			B			
[Madden Cr.] Maddin Cr.	C	[1.0] 1.9	Mouth	35,39N,3E	Washington			x	x			B			
[Maddox Cr.] Maddox Br.	C	[2.5] 2.8	35,48N,9W	23,48N,9W	Callaway			x	x			B			
Mag Cr.	C	0.1	Mouth	26,40N,10W	Maries			x	x			B			
Mahans Cr.	P	[4.0] 4.3	Mouth	9,28N,4W	Shannon			x	x	x		B			
Mahans Cr.	C	[4.1] 4.4	9,28N,4W	28,28N,04W	Shannon			x	x			B			
Main Ditch	C	[14.0] 13.0	18,22N,6E	[10,24N,6E] 15,24N,6E	Butler		x	x	x			B			
Main Ditch	P	[11.5] 11.9	14,16N,10E	30,18N,11E	Pemiscot			x	x			B	x		
Main Ditch	P	[24.0] 23.2	8,19N,10E	19,23N,10E	Dunklin			x	x			B			
Main Ditch	C	6.0	19,23N,10E	20,24N,10E	Dunklin	Stoddard		x	x			B			
Main Ditch #8	P	[19.0] 18.3	27,18N,10E	3,19N,12E	Pemiscot			x	x			B			
Main Ditch #8	C	[12.0] 11.5	3,19N,12E	18,20N,14E	Pemiscot			x	x				x		
Malaruni Cr.	C	[1.0] 1.5	Mouth	19,56N,3W	Ralls			x	x			B			
Maline Cr.	C	1.0	Mouth	[Bellefontaine Rd.] 9,46N,7E	St. Louis City	St. Louis		x	x				x		

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Malone Cr.	P	[6.5] 6.9	Mouth	34,30N,10E	Bollinger			x	x			B			
Malone Cr.	C	[1.5] 2.3	34,30N,10E	28,30N,10E	Bollinger			x	x			B			
Mammoth Cr.	P	[0.4] 0.7	Mouth	11,39N,03E	Jefferson			x	x			B			
Manacle Cr.	C	[2.0] 2.4	Mouth	35,49N,11W	Callaway			x	x			B			
Maple Slough	C	[16.0] 18.2	Mouth	11,26N,15E	New Madrid	Mississippi		x	x			B			
Marais des Cygnes R.	P	32.0	19,38N,29W	State Line	Bates		x	x	x			A	x	x	
Marble Cr.	P	[14.5] 14.7	Mouth	[29,33N,4E] 28,33N,4E	Madison	Iron		x	x	x		B	x		
Marble Cr.	C	1.0	[29,33N,4E] 28,33N,4E	20,33N,4E	Iron			x	x			B			
Maries R.	P	[41.5] 44.0	Mouth	24,40N,10W	Osage	Maries		x	x	x		A	x		
Maries R.	C	[14.0] 18.1	24,40N,10W	[32,39N,10W] 13,38N,11W	Maries			x	x			B			
Marlin Cr.	C	[3.0] 3.4	34,48N,20W	04,47N,20W	Pettis			x	x			B			
Marlin Cr.	P	[3.5] 3.7	Mouth	34,48N,20W	Pettis			x	x			B			
Marlowe Cr.	P	[5.5] 6.7	Mouth	30,66N,31W	Worth			x	x			B			
Marlowe Cr.	C	1.0	30,66N,31W	19,66N,31W	Worth			x	x			B			
Marmaton R.	P	[49.5] 35.7	[19,38N,29W] 11,37N,31W	State Line	Vernon		x	x	x			B			
Marney Br.	C	[5.0] 5.4	Mouth	3,43N,15W	Moniteau			x	x			B			
Marrowbone Cr.	P	[11.0] 11.5	Mouth	36,58N,28W	Daviess			x	x			B			
Marrowbone Cr.	C	[11.0] 13.9	36,58N,28W	15,58N,29W	Daviess			x	x			B			
Marsh Cr.	P	[1.5] 2.3	Mouth	34,32N,5E	Madison			x	x			B			
Marsh Cr.	C	[1.0] 0.6	34,32N,5E	33,32N,5E	Madison			x	x			B			
Marshalls Cr.	C	[9.5] 15.4	Mouth	33,40N,27W	Henry			x	x			B			
Martin Br.	C	0.5	Mouth	2,40N,04W	Franklin			x	x			B			
Martin Cr.	C	[5.0] 6.9	Mouth	27,64N,25W	Harrison	Mercer		x	x			B			
Martin Hollow	C	1.0	Mouth	1,32N,7E	Madison			x	x			B			
Mary's Cr	P	1.0	Mouth	03,39N,01W	Washington			x	x			B			
Mash Cr.	P	0.5	Mouth	12,30N,4W	Shannon			x	x			B			
Mash Cr.	C	2.0	12,30N,4W	35,31N,4W	Shannon			x	x			B			
Mash Hollow	C	1.0	Mouth	33,24N,24W	Stone			x	x			B			
Mason Springs Valley	P	1.0	State Line	21,24N,34W	Newton			x	x			B			
[Mass Cr.] Moss Br.	C	[2.0] 2.4	Mouth	16,66N,37W	Nodaway			x	x			B			
Massey Cr.	C	[6.0] 7.0	2,44N,33W	20,45N,33W	Cass			x	x			B			
Massie Cr.	P	[7.0] 4.0	Mouth	10,46N,4W	Warren			x	x			B			
Massie Cr.	C	[4.0] 3.5	10,46N,4W	36,47N,4W	Warren			x	x			B			
Mattese Cr.	P	[0.9] 1.1	Mouth	[Baumgartner Rd.] 15,43N,6E	St. Louis			x	x			B			
Maupin Cr.	P	1.3	Mouth	36,41N,02E	Jefferson			x	x			B			
Max Cr.	C	[3.0] 3.6	Mouth	26,24N,19W	Taney			x	x			B			
May Br.	C	0.5	Mouth	Hwy AN	Franklin			x	x			B			
May Br.	C	3.5	Mouth	30,48N,22W	Saline	Pettis		x	x			B			
Mayfield Cr.	P	[1.0] 0.8	Mouth	21,32N,10E	Bollinger			x	x			B			
Mayfield Cr.	C	[2.0] 2.7	21,32N,10E	18,32N,10E	Bollinger			x	x			B			
[Mayhen Br.] Mayhan Br.	C	1.3	Mouth	18,28N,08W	Texas			x	x						
Maze Cr.	C	2.0	Mouth	[8,32N,25W]	Dade			x	x			B			

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				9,32N,25W											
McCarty Cr.	C	[9.6] 13.2	Mouth	31,34N,29W	Vernon			x	x					B	
McClanahan Cr.	C	[2.0] 2.5	Mouth	Sur 911,36N,11E	Perry			x	x					B	
McCoy Cr.	P	[1.5] 1.9	Mouth	6,47N,2E	St. Charles			x	x					B	
McCoy Cr.	C	[3.5] 4.5	6,47N,2E	[Sur 386(10), 47N,1E] 10,47N,1E	St. Charles			x	x					B	
McDade Br.	P	[0.5] 0.7	Mouth	9,39N,5W	Crawford			x	x					B	
McDade Br.	C	[1.5] 1.7	9,39N,5W	17,39N,5W	Crawford			x	x					B	
McElroy Cr.	C	[2.0] 3.0	Mouth	[Hwy. 275] 9,66N,41W	Atchison			x	x					B	
McGee Br.	C	[3.7] 3.9	Mouth	03,44N,20W	Pettis			x	x					B	
McGee Cr.	P	[5.0] 7.2	Mouth	20,28N,8E	Wayne			x	x					B	
McGuire Br.	C	[5.0] 5.4	Mouth	7,56N,32W	Clinton			x	x					B	
McKenzie Cr.	P	[6.0] 6.3	Mouth	23,29N,3E	Wayne			x	x					B	
McKenzie Cr.	C	[4.5] 4.7	23,29N,3E	34,30N,3E	Wayne			x	x					B	
McKenzie Cr.	C	[4.0] 5.5	Mouth	06,37N,29W	Vernon			x	x					B	
McKill Cr.	P	[2.0] 2.7	Mouth	34,34N,33W	Vernon			x	x					B	
McKill Cr.	C	[2.0] 2.2	34,34N,33W	35,34N,33W	Vernon			x	x					B	
McKinney Cr.	C	[0.5] 0.7	Mouth	23,48N,9W	Callaway			x	x					B	
McLean Cr.	C	[3.5] 6.6	Mouth	16,49N,2E	Lincoln			x	x					B	
McMullen Br.	C	[1.0] 1.2	Mouth	18,39N,5E	Jefferson			x	x					B	
McVey Br.	C	1.5	Mouth	3,21N,16W	Ozark			x	x					B	
Medicine Cr.	P	[30.5] 31.3	Mouth	9,61N,22W	Livingston	Grundy		x	x					B	
Medlen Cr.	C	1.0	Mouth	6,43N,15W	Moniteau			x	x					B	
Melton Cr.	C	[2.0] 2.8	Mouth	21,36N,29W	Vernon			x	x					B	
Menorkenut Slough	C	[25.0] 10.4	Mouth	[7,25N,8E] 33,24N,8E	Butler			x	x					[B]	
Meramec R.	P	[37.0] 76.0	Big R.	Meramec State Pk.	Jefferson	Franklin		x	x	x			A	x	x
Meramec R.	P	[75.0] 51.3	[Meramec State Pk.] 13,40N,2W	22,38N,5W	Franklin	Crawford		x	x	x			A	x	x
Meramec R.	P	10.0	22,38N,5W	[Hwy. 8] 6,37N,5W	Crawford			x	x	x	x		A	x	
Meramec R.	P	[35.0] 38.9	[Hwy. 8] 7,37N,5W	[Hwy. 72] 19,34N,4W	Crawford	Dent		x	x	x			A	x	
Meramec R.	C	4.0	[Hwy. 72] 19,34N,4W	[33,34N,4W] 4,33N,4W	Dent			x	x	x			B		
Meramec R.	P	[22.0] 22.8	Mouth	[Hwy. 141] 18,44N,5E	St. Louis			x	x				A	x	x
Meramec R.	P	[26.0] 15.7	[Hwy. 141] 18,44N,5E	Big R.	St. Louis	Jefferson		x	x	x			A	x	x
Merrills Br.	C	[3.0] 3.2	Mouth	19,58N,8W	Marion			x	x					B	
Miami Cr.	P	[18.0] 19.6	Mouth	[10,40N,32W] 4,40N,32W	Bates			x	x					B	
Miami Cr.	C	[11.5] 15.6	10,40N,32W	4,41N,33W	Bates			x	x					B	
Mid. Fk. Shoal Cr.	C	[1.5] 1.3	Mouth	35,36N,2W	Crawford			x	x					B	
Mid. Richland Cr.	C	[9.0] 9.4	Mouth	[Hwy. 52] 6,42N,18W	Morgan			x	x				A	x	

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Middle Big Cr.	C	[8.0] 9.4	Mouth	Lake Winnebago Dam	Cass			x	x			B			
Middle Br. Squaw Cr.	C	3.0	Mouth	5,62N,38W	Holt			x	x			B			
Middle Brushy Cr.	C	7.0	Mouth	32,27N,3E	Wayne	Carter		x	x			A			
Middle Cr.	C	[5.0] 6.5	Mouth	14,62N,25W	Grundy			x	x			B			
Middle Fabius R.	P	[57.0] 75.7	Mouth	22,64N,12W	Lewis	Scotland		x	x			A	x	x	
Middle Fk.	P	[5.5] 7.0	Mouth	28,25N,6W	Oregon			x	x			A	x		
Middle Fk.	C	12.0	28,25N,6W	4,24N,7W	Oregon	Howell		x	x			B			
Middle Fk. Big Cr.	P	2.0	Mouth	19,31N,7E	Madison			x	x			B			
Middle Fk. Big Cr.	C	1.0	19,31N,7E	18,31N,7E	Madison			x	x			B			
Middle Fk. Black R.	P	[15.0] 21.0	Mouth	24,34N,1W	Reynolds	Iron		x	x	x		A			
Middle Fk. Black R.	C	[1.0] 1.2	24,34N,1W	13,34N,1W	Iron			x	x	x		A			
Middle Fk. Grand R.	P	[25.0] 27.5	Mouth	12,66N,31W	Gentry	Worth	x	x	x			A	x		
Middle Fk. Grand R.	C	2.5	12,66N,31W	State Line	Worth			x	x			B	x		
Middle Fk. Lost Cr.	C	[7.0] 8.0	Mouth	27,60N,31W	Dekalb			x	x			B			
[Middle Fk. Salt R.] M. Fk. Salt R.	C	[22.0] 25.4	16,56N,13W	23,59N,14W	Macon			x	x			B			
Middle Fk. Tebo Cr.	C	[6.5] 7.5	Mouth	6,43N,24W	Henry			x	x			B			
Middle Fork	C	3.2	Mouth	20,43N,03W	Franklin			x	x			B			
Middle Indian Cr.	C	[3.0] 3.5	16,24N,30W	12,24N,30W	Newton			x	x			B			
Middle Indian Cr.	P	[2.5] 2.2	Mouth	16,24N,30W	Newton			x	x			B			
[Middle Prong] Middle Prong Crooked Cr.	P	[3.0] 2.2	Mouth	24,35N,4W	Dent			x	x			B			
[Middle Prong] Middle Prong Crooked Cr.	C	2.0	24,35N,4W	29,35N,3W	[Crawford] Dent	Crawford		x	x			B			
[Middle Prong] Middle Prong Brushy Cr	C	1.0	Mouth	29,30N,3W	Shannon			x	x			B			
Middle R.	P	[8.5] 15.0	Mouth	4,45N,9W	Callaway			x	x			B			
Middle R.	C	[11.5] 10.6	4,45N,9W	2,46N,10W	Callaway			x	x			B			
Middle Tarkio Cr.	C	10.0	Mouth	State Line	Atchison		x	x	x			B	x		
Middlebrook Cr.	C	[0.8] 1.1	Mouth	[08,34N,04E] 07,34N,04E	St. Francois			x	x			B			
Mikes Cr.	P	[3.0] 4.0	Mouth	[13,22N,30W] 14,22N,30W	McDonald		x	x	x			A			
Mill Br.	P	[1.0] 1.2	Mouth	3,38N,2E	Washington			x	x			B			
Mill Br.	C	1.0	3,38N,2E	2,38N,2E	Washington			x	x			B			
Mill Cr.	P	1.5	Mouth	30,39N,14W	Miller			x	x			B			
Mill Cr.	C	2.0	30,39N,14W	28,39N,14W	Miller			x	x			B			
Mill Cr.	P	[3.5] 4.8	Mouth	[Hwy. 7] 25,37N,15W	Camden			x	x			A	x		
Mill Cr.	P	[1.5] 2.0	Mouth	9,36N,18W	Dallas			x	x		x	B			
Mill Cr.	P	1.5	9,36N,18W	8,36N,18W	Dallas			x	x			B			
Mill Cr.	P	[6.2] 5.8	Mouth	[9,37N,21W] 8,37N,21W	Hickory			x	x	x		B			
Mill Cr.	P	[1.0] 1.3	Mouth	29,37N,9W	Phelps			x	x			A			
Mill Cr.	P	[5.0] 6.7	29,37N,9W	Yelton Spring	Phelps			x	x		x	A			
Mill Cr.	P	3.5	Yelton Spring	5,35N,9W	Phelps			x	x			B			
Mill Cr.	C	5.0	Mouth	[Sur	Lincoln			x	x			B	x		

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WATER BODY	CLASS	MILES	FROM	TO 1710,51N,1W] Sur 1767,51N,1W	COUNTY	COUNTY 2	IRR	LWW	AQL	CLF	CDF	WBC	SCR	DWS	IND
Mill Cr.	C	[4.0] 4.3	Mouth	3,36N,8E	Ste. Genevieve			x	x			B			x
Mill Cr.	P	[12.0] 13.5	Mouth	8,37N,3E	St. Francois	Washington		x	x			B			
[Mill Cr.] W. Br. Mill Cr.	C	[2.0] 1.8	8,37N,3E	18,37N,3E	Washington			x	x			B			
Mill Cr.	P	3.0	Mouth	36,36N,3E	Washington			x	x			B			
Mill Cr.	C	[0.5] 0.8	36,36N,3E	36,36N,3E	Washington			x	x			B			
Mill Cr.	P	10.0	Mouth	2,59N,38W	Holt			x	x			B			
[Mill Cr.] Hickory Cr	C	1.0	Mouth	1,59N,38W	Holt			x	x			B			
Mill Cr.	P	[2.0] 2.7	Mouth	8,27N,1W	Carter			x	x			A			
Mill Cr.	C	[2.0] 2.4	8,27N,1W	1,27N,2W	Carter			x	x			B			
Mill Cr.	P	3.5	Mouth	[32,33N,7E] 33,33N,7E	Madison			x	x			B			
Mill Cr.	C	1.0	[32,33N,7E] 33,33N,7E	33,33N,7E	Madison			x	x			B			
Mill Cr.	C	2.0	Mouth	30,31N,5E	Wayne	Madison		x	x			B			
Mill Cr.	P	[9.5] 10.8	Mouth	State Line	Nodaway			x	x			B			
Mill Cr.	P	2.5	Mouth	24,21N,33W	McDonald			x	x			A			
Mill Cr.	C	[4.1] 3.9	Mouth	17,46N,33W	Jackson	Cass		x	x			B			
Mill Cr.	C	[2.8] 3.2	[09,37N,21W] 08,37N,21W	15,37N,21W	Hickory			x	x	x		B			
Mill Cr.	P	0.4	Mouth	[Hwy FF] 21,39N,8W	Maries			x	x			B			
Mill Cr.	C	1.4	[Hwy FF] 21,39N,8W	22,39N,08W	Maries			x	x			B			
Mill Cr.	P	0.5	Mouth	03,37N,10W	Phelps			x	x			B			
[Mill Cr.]	[P]	[0.5]	[Mouth]	[03,37N,10W]	[Phelps]			[x]	[x]			[B]			
Mill Cr.	C	[1.0] 1.3	Mouth	[17,56N,28W] 8,56N,28W	Caldwell			x	x			B			
Mill Spring Cr.	P	1.0	Mouth	3,40N,8W	Maries			x	x			B			
Miller Cr.	C	[6.0] 6.6	Mouth	3,26N,4E	Wayne			x	x			B			
Millers Cr.	C	[1.5] 1.9	Mouth	14,47N,11W	Callaway			x	x			B			
Milligan Cr.	C	[8.0] 9.0	Mouth	18,53N,12W	Monroe			x	x			B			
Mine a Breton Cr.	P	[11.0] 9.0	7,38N,2E	[Hwy. 185] 10,37N,2E	Washington			x	x			B			
Mine a Breton Cr.	C	[2.5] 3.0	[Hwy. 185] 10,37N,2E	23,37N,2E	Washington			x	x			B			
Mineral Br.	C	[2.0] 1.7	Mouth	17,44N,15W	Moniteau			x	x			B			
Mineral Cr.	C	[4.3] 4.6	Mouth	20,44N,25W	Johnson			x	x			B			
Mineral Fk.	P	[15.0] 16.7	Mouth	7,38N,2E	Washington			x	x	x		A			
Mineral Spring Hollow	C	0.8	Mouth	30,31N,09W	Texas			x	x			B			
Mingo Cr.	C	2.0	Mouth	5,26N,8E	Stoddard			x	x			B			
Mingo Ditch	P	16.0	Mouth	32,27N,8E	Stoddard			x	x			B			
Minnow Br.	C	1.0	Mouth	25,41N,20W	Benton			x	x			B			
Minor Cr.	C	[1.5] 2.0	Mouth	[14,33N,3E] 11,33N,3E	Iron			x	x			B			
Mission Cr.	C	2.4	Hwy. 45	17,54N,36W	Platte			x	x			B			

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Mississippi R.	P	[5.0] 6.3	[Dam #27] N Riverfront Park	Missouri R.	St. Louis City	St. Charles	x	x	x			B	x	x	x
Mississippi R.	P	[195.5] 28.3	[Ohio R.] Meramec R.	[Dam #27] N Riverfront Park	[Mississippi] St. Louis	St. Louis City	x	x	x				x	x	x
Mississippi R.	P	[124.5] 125.1	State Line	Ohio R.	Pemiscot	Mississippi	x	x	x			B	x	x	x
Mississippi R.	P	94.4	Cuivre R.	Lock and Dam 21	St. Charles	Marion		x	x			A	x	x	x
Mississippi R.	P	44.1	Missouri R.	Cuivre R.	St. Charles			x	x			A	x	x	x
Mississippi R.	P	44.6	Kaskaskia R.	Meramec R.	Ste. Genevieve	St. Louis		x	x			B	x	x	x
Mississippi R.	P	120.1	Ohio R.	Kaskaskia R.	Mississippi	Ste. Genevieve	x	x	x			B	x	x	x
Mississippi R.	P	[165.0] 37.5	[Missouri R.] Lock & Dam 21	Des Moines R.	[St. Charles] Marion	Clark		x	x			A	x	x	x
Missouri R.	P	[100.0] 104.5	Mouth	Gasconade R.	St. Louis	Gasconade	x	x	x			B	x	x	x
Missouri R.	P	[125.0] 129.0	Chariton R.	Kansas R.	Chariton	Jackson	x	x	x			B	x	x	x
Missouri R.	P	[129.0] 135.0	Gasconade R.	Chariton R.	Gasconade	Chariton	x	x	x			B	x	x	x
Missouri R.	P	[179.0] 184.5	Kansas R.	State Line	Jackson	Atchison	x	x	x			B	x	x	x
Mistaken Cr.	P	[6.0] 6.5	Mouth	20,42N,7W	Osage			x	x			B			
Mistaken Cr.	C	1.5	20,42N,7W	30,42N,7W	Osage			x	x			B			
Moccasin Cr.	C	[2.0] 2.6	Mouth	26,63N,33W	Gentry			x	x			B			
Modoc Cr.	C	3.3	32,46N,5W	25,46N,6W	Montgomery			x	x						
Monegaw Cr.	P	[2.0] 4.8	Mouth	21,38N,27W	St. Clair			x	x			A	x		
Monegaw Cr.	C	[10.0] 18.4	21,38N,27W	[9,39N,28W] 4,39N,28W	St. Clair			x	x			B	x		
Moniteau Cr.	P	[20.5] 25.7	Mouth	[Hwy. 124] 5,50N,14W	Howard			x	x			B	x		
Moniteau Cr.	C	[13.5] 14.4	[Hwy. 124] 5,50N,14W	16,52N,14W	Howard	Randolph		x	x			B			
Moniteau Cr.	C	[15.5] 16.1	16,46N,15W	[21,46N,15W] 21,46N,17W	Moniteau	Cooper		x	x			B	x		
Moniteau Cr.	P	[17.0] 19.6	Mouth	16,46N,15W	Cole	Moniteau		x	x			B	x		
Montgomery Br.	C	6.5	15,38N,23W	6,37N,22W	Hickory			x	x			B			
Mooney Br.	C	[2.0] 2.2	Mouth	3,33N,10W	Texas			x	x						
Moore Br.	C	[3.8] 5.7	Mouth	27,35N,31W	Vernon			x	x			B			
Moore Br.	P	[2.5] 3.0	Mouth	34,35N,33W	Vernon			x	x			B			
Moore Br.	C	[2.5] 2.3	34,35N,33W	33,35N,33W	Vernon			x	x			B			
Moreau R.	P	[33.0] 37.0	Mouth	1,43N,13W	Cole			x	x			A	x		
Morgan Cr.	C	1.5	Mouth	17,43N,14W	Cole			x	x			B			
Mormon Fk.	C	[13.5] 21.2	Mouth	19,42N,32W	Bates			x	x			B			
Morris Br.	C	1.0	Mouth	12,49N,7W	Callaway			x	x			B			
Morris Hollow	C	[1.5] 1.7	Mouth	17,22N,16W	Ozark			x	x			B			
Moss Cr.	P	[23.0] 13.7	Mouth	[7,50N,25W] 34,52N,25W	Carroll			x	x			B			
Moss Hollow	C	1.0	Mouth	[26,42N,5E] Sur 1963,42N,5E	Jefferson			x	x			B			
Mossy Cr.	C	0.2	Mouth	07,40N,21W	Benton			x	x			B			
Mound Br.	C	[10.0] 8.9	Mouth	13,40N,31W	Bates			x	x			B			
Mound Cr.	C	4.0	Mouth	[Hwy. 65] 7,56N,23W	Livingston			x	x			B			
Mountain Cr.	P	[6.0] 6.8	Mouth	23,35N,17W	Laclede			x	x			B			

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Mouse Cr.	C	[1.0] 1.5	[15,47N,32W] Mouth	22,47N,32W	Jackson		x	x				B			
Mozingo Cr.	C	[8.5] 5.1	Mouth	[36,65N,35W] 13,64N,35W	Nodaway		x	x				B	x		
Mud Cr.	C	[9.0] 17.5	Mouth	20,55N,13W	Monroe	Randolph	x	x				B			
Mud Cr.	C	[3.0] 4.3	Mouth	22,26N,7E	Butler		x	x				B			
Mud Cr.	C	[1.0] 1.3	Mouth	08,34N,04E	St. Francois		x	x				B			
Mud Cr.	P	4.5	36,56N,26W	23,55N,26W	Caldwell		x	x				B			
Mud Cr.	C	[7.5] 6.7	23,55N,26W	18,54N,26W	Caldwell	Ray	x	x				B			
Mud Cr.	C	[2.0] 1.5	Mouth	[36,52N,18W] 6,51N,15W	Howard		x	x				B			
Mud Cr.	C	1.5	Mouth	5,45N,13W	Cole		x	x				B			
Mud Cr. Ditch	P	3.5	28,56N,25W	36,56N,26W	Livingston	Caldwell	x	x				B			
Mud Ditch	C	9.0	Mouth	11,23N,15E	New Madrid		x	x				B			
Muddy Cr.	C	[3.0] 2.8	Mouth	19,38N,30W	Vernon	Bates	x	x				B			
Muddy Cr.	C	3.0	Sur 3017,39N,7E		Jefferson		x	x				B			
Muddy Cr.	C	[3.5] 5.2	Mouth	[Hwy. 71] 11,65N,37W	Nodaway		x	x				B			
Muddy Cr.	C	[5.5] 6.6	31,58N,20W	05,58N,20W	Linn		x	x							
Muddy Cr.	C	[3.5] 3.7	Mouth	21,59N,26W	Daviess		x	x				B	x		
Muddy Cr.	C	[6.0] 9.7	Mouth	27,60N,30W	Daviess	Dekalb	x	x				B			
Muddy Cr.	P	[36.5] 42.0	Mouth	22,66N,23W	Grundy	Mercer	x	x				B	x		
Muddy Cr.	C	[4.5] 5.7	Mouth	31,58N,20W	Linn		x	x				B			
Muddy Cr.	C	[27.0] 33.1	Mouth	14,61N,22W	Livingston	Sullivan	x	x				B			
Muddy Cr.	P	[55.0] 62.2	Mouth	17,45N,23W	Pettis	[Johnson]	x	x				B			
Muddy Cr.	C	[8.2] 10.4	17,45N,23W	34,45N,24W	Pettis	Johnson	x	x				B	x		
Muddy Cr.	C	9.0	Mouth	22,52N,21W	Saline		x	x				B			
Muddy Fk.	C	[8.0] 8.4	Mouth	35,54N,31W	Clay		x	x				B	x		
Muddy Shawnee Cr.	P	[3.0] 2.5	8,33N,13E	19,33N,13E	Cape Girardeau		x	x				B			
Muddy Shawnee Cr.	C	[2.0] 2.6	19,33N,13E	31,33N,13E	Cape Girardeau		x	x				B			
Mulberry Cr.	C	[8.0] 10.3	Mouth	33,41N,33W	Bates		x	x				B	x		
Mulberry Cr.	C	[3.9] 5.4	Mouth	04,34N,29W	Vernon		x	x				B			
Mulkey Cr.	C	5.0	Mouth	28,48N,25W	Johnson		x	x				B			
Muncas Cr.	P	[3.0] 4.0	Mouth	4,53N,16W	Chariton		x	x				B			
Muncas Cr.	C	[6.0] 8.8	4,53N,16W	6,54N,15W	Randolph		x	x				B			
Murphy Cr.	C	[4.0] 4.2	Mouth	8,36N,14W	Camden		x	x				B			
Musco Cr.	P	1.5	Mouth	26,34N,6E	Madison		x	x				B			
Musco Cr.	C	[1.0] 1.2	26,34N,6E	22,34N,6E	Madison		x	x				B			
Mussel Fork Cr.	P	[49.0] 58.0	Mouth	18,58N,17W	Chariton	Macon	x	x				B			
[Mussel Fork Cr.] Mussel Fk.	C	29.0	18,58N,17W	2,62N,18W	Macon	Sullivan	x	x				B		x	
Mutton Hollow	P	2.5	Mouth	13,31N,20W	Greene		x	x				B			
Myatt Cr.	C	[11.5] 12.0	State Line	5,22N,7W	Howell		x	x				B			
N. Ashley Cr.	P	[0.5] 0.7	[35,32N,7W] Mouth	34,32N,7W	Dent		x	x				B			
N. Ashley Cr.	C	[8.0] 9.9	[34,32N,7W] Mouth	34,32N,8W	Dent	Texas	x	x				B			

IRR-LWW AQL-CLF CDF-WBC SCR-DWS IND

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and Human Health Fish Consumption

CLF-Cool Water Fishery

CDF-Cold Water Fishery

WBC-Whole Body Contact Recreation

SCR-Secondary Contact Recreation

DWS-Drinking Water Supply

IND-Industrial

TABLE H-STREAM CLASSIFICATIONS AND USE DESIGNATIONS

WATER BODY	CLASS	MILES	FROM	TO	COUNTY	COUNTY 2	IRR	LWW	AQL	CLF	CDF	WBC	SCR	DWS	IND
N. Blackbird Cr.	C	[17.0] 18.1	[2,64N,17W] Mouth	[Hwy. 129] 19,66N,18W	Putnam			x	x			B	x		
N. Bridges Cr.	C	[3.0] 4.6	17,22N,11W	2,22N,11W	Ozark			x	x			B			
N. Cobb Cr.	P	[6.0] 6.7	Mouth	2,33N,15W	Laclede			x	x			B			
N. Deepwater Cr.	C	[4.0] 5.4	Mouth	35,41N,29W	Henry	Bates		x	x			B			
N. Dry Sac R.	P	[3.5] 5.1	Mouth	[10,31N,22W] 22,31N,22W	Polk	Greene		x	x			B			
N. Dry Sac R.	C	[4.5] 4.8	[10,31N,22W] 9,31N,22W	19,31N,21W	Greene			x	x			B			
N. Elkhorn Cr.	P	[4.0] 4.4	[17,23N,31W] Mouth	14,23N,31W	McDonald			x	x			B			
N. Fabius R.	P	[82.0] 92.0	[24,59N,6W] Mouth	26,67N,14W	Marion	Schuyler		x	x	x		B	x	x	
N. Fabius R.	C	1.0	26,67N,14W	State Line	Schuyler			x	x			B			
N. Fk. Batts Cr.	C	1.0	Mouth	18,52N,16W	Howard			x	x			B			
N. Fk. Beaver Cr.	C	[2.0] 2.6	Mouth	33,30N,12W	Wright			x	x			B			
N. Fk. Blackwater R.	C	[10.0] 12.8	12,46N,27W	12,47N,28W	Johnson			x	x			B	x		
N. Fk. Buffalo Cr.	P	[2.0] 2.6	20,24N,1E	18,24N,1E	Ripley			x	x			B			
N. Fk. Buffalo Cr.	C	[4.5] 5.9	18,24N,1E	21,24N,1W	Ripley			x	x			B			
N. Fk. Charrette Cr.	C	[5.0] 6.3	[35,46N,02W] 24,46N,02W	34,47N,02W	Warren			x	x			B			
N. Fk. Cuivre R.	P	[28.5] 25.1	[11,49N,1W] Mouth	24,51N,3W	Lincoln	Pike		x	x			A	x		
N. Fk. Cuivre R.	C	[8.0] 10.0	24,51N,3W	28,52N,3W	Pike			x	x			B			
N. Fk. Finney Cr.	C	[3.0] 3.6	17,49N,21W	4,49N,21W	Saline			x	x			B			
N. Fk. Fourche a Renault Cr.	C	[3.0] 2.5	23,37N,1E	30,37N,2E	Washington			x	x			B			
N. Fk. Fourche Cr.	P	3.0	Mouth	[Hwy. 142] 4,22N,1E	Ripley			x	x			B			
N. Fk. Fourche Cr.	C	[4.5] 5.5	Hwy. 142	19,23N,1E	Ripley			x	x			B			
N. Fk. Grindstone Cr.	C	[1.5] 1.8	[20,48N,12W] Mouth	16,48N,12W	Boone			x	x				x		
N. Fk. Hollow	C	1.5	Mouth	7,26N,4E	Butler			x	x			B			
N. Fk. Jones Cr.	P	0.5	Mouth	15,41N,03E	Jefferson			x	x			B			
[N. Fk. L. Meramec R.] L. Meramec R.	P	2.0	7,41N,2E	8,41N,2E	Franklin			x	x			B			
[N. Fk. L. Meramec R.] L. Meramec R.	C	[1.0] 1.2	8,41N,2E	16,41N,2E	Franklin			x	x			B			
[N. Fk. M Fabius R.]	[C]	[16.2]	[36,65N,13W]	[21,66N,14W]	[Scotland]	[Schuyler]		[x]	[x]						
N. Fk. M Fabius R.	C	[9.2] 28.2	[22,64N,12W] Mouth	[36,65N,13W] 21,66N,14W	Scotland	Schuyler		x	x			B			
N. Fk. N. Fabius R.	C	[10.0] 9.0	Mouth	2,66N,13W	Scotland			x	x			B			
N. Fk. S. Fabius R.	C	[30.0] 39.1	29,62N,11W	5,64N,14W	Knox	Schuyler		x	x			B			
N. Fk. Salt R.	P	[45.0] 84.9	[28,56N,9W] Mouth	2,62N,14W	Monroe	Adair		x	x	x		B	x	x	
N. Fk. Salt R.	C	[14.5] 17.2	2,62N,14W	12,64N,15W	Adair	Schuyler		x	x			[B]			
[N. Fk. Spring Cr.] N. Fk. Bratten Spring Cr.	C	[1.0] 1.6	Mouth	[18,22N,14W] 13,22N,14W	Ozark			x	x			B			
N. Fk. Spring R.	P	[14.5] 17.4	Mouth	[1,29N,32W]	Jasper			x	x			B	x		

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WATER BODY	CLASS	MILES	FROM	TO 6,29N,32W	COUNTY	COUNTY 2	IRR	LWW	AQL	CLF	CDF	WBC	SCR	DWS	IND
N. Fk. Spring R.	C	[51.5] 55.9	[1,29N,32W] 6,29N,32W	20,30N,28W	Jasper	Dade		x	x			B	x		
N. Fk. Web Cr.	P	[1.5] 1.9	Mouth	31,29N,2E	Reynolds			x	x			B			
N. Fk. Web Cr.	C	3.0	31,29N,2E	34,29N,1E	Reynolds			x	x			B			
[N. Fk. White R.] North Fork R.	P	[22.0] 23.9	[3,22N,12W] Mouth	2,24N,12W	Ozark		x	x	x		x	A	x		
[N. Fk. White R.] North Fork R.	P	[28.0] 31.3	34,25N,11W	17,27N,11W	Douglas		x	x	x	x		A	x		
[N. Fk. White R.] North Fork R.	C	[7.0] 8.0	17,27N,11W	23,28N,12W	Douglas	Texas		x	x			B			
N. Flat Cr.	C	3.5	Mouth	[22,44N,23W] 27,44N,23W	Pettis			x	x			B			
N. Indian Cr.	P	[5.0] 5.2	24,24N,31W	36,25N,30W	Newton			x	x			B			
N. Linn Cr.	C	1.7	Mouth	36,66N,9W	Clark			x	x			B			
N. Moreau Cr.	P	[50.0] 47.9	[1,43N,13W] Mouth	4,44N,16W	Cole	Moniteau		x	x			A	x		
N. Mud Cr.	C	[5.5] 6.2	Mouth	6,55N,26W	Caldwell			x	x			B			
N. Pr. Beaverdam Cr.	C	3.0	[5,24N,4E] Mouth	19,25N,4E	Ripley			x	x			B			
N. Prong Jacks Fk.	P	[8.0] 6.8	29,28N,7W	11,28N,8W	Texas			x	x			B			
N. Prong Jacks Fk.	C	7.0	11,28N,8W	25,29N,9W	Texas			x	x			B			
N. Prong L. Black R.	P	[3.0] 3.2	9,24N,3E	32,25N,3E	Ripley			x	x			B			
N. Prong L. Black R.	C	[10.0] 12.2	32,25N,3E	35,26N,2E	Ripley	Carter		x	x			A			
N. Wyaconda R.	P	[14.0] 16.9	26,65N,9W	18,66N,10W	Clark	Scotland		x	x			B			
N. Wyaconda R.	C	[8.0] 9.2	18,66N,10W	31,67N,11W	Scotland			x	x			B			
Nance Cr.	C	0.5	Mouth	15,24N,14W	Ozark			x	x			B			
Narrows Cr.	C	[2.0] 2.6	Mouth	7,56N,13W	Macon			x	x			B			
Nations Cr.	P	4.5	Mouth	15,34N,9E	Perry			x	x			B			
Nations Cr.	C	2.0	15,34N,9E	8,34N,9E	Perry			x	x			B			
Natural Bridge Holl.	C	[2.0] 1.8	Mouth	17,22N,26W	Barry			x	x						
Naylor Cr.	C	1.0	Mouth	7,51N,34W	Platte			x	x			B			
Neals Cr.	C	[3.0] 3.2	Mouth	16,34N,1W	Iron			x	x			B			
New #7 Chute	C	[2.0] 1.6	35,23N,16E	[5,22N,17E] 6,22N,17E	Mississippi		x	x	x			B			
New Franklin Ditch	P	[6.0] 6.3	6,16N,12E	23,17N,12E	Pemiscot			x	x			B			
New Hope Cr.	C	[5.1] 5.5	Mouth	31,54N,30W	Clay			x	x			B			
Newtonia Br.	P	[1.0] 1.4	Mouth	[36,26N,30W] 1,25N,30W	Newton			x	x			B			
Niangua R.	P	[5.0] 5.7	Mouth	[Power Plant] 19,37N,17W	Camden			x	x			A	x		
Niangua R.	C	[6.0] 6.8	[Power Plant] 19,37N,17W	[Tunnel Dam] 19,37N,17W	Camden			x	x			A	x		
Niangua R.	P	[4.5] 5.0	[Lake Niangua] Mouth	[Dallas County Line] 2,36N,18W	Camden			x	x			B			
Niangua R.	P	[24.0] 25.0	Dallas County Line	11,35N,18W	Dallas			x	x	x		A	x		

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Niangua R.	P	6.0	11,35N,18W	Bennett Spring Cr.	Dallas			x	x	x	x	A		x	
Niangua R.	P	[51.0] 56.0	Bennett Spr Cr.	33,32N,18W	Dallas	Webster		x	x	x		A		x	
Nichols Cr.	C	[3.0] 4.6	Mouth	17,60N,37W	Holt			x	x			B			
Nishnabotna R.	P	[8.0] 10.2	Mouth	State Line	Atchison		x	x	x			B	x	x	
No Cr.	P	[22.5] 28.7	Mouth	14,62N,23W	Livingston	Grundy		x	x			B			
No. 13 Elk Chute	C	[2.0] 2.3	Mouth	35,19N,11E	Pemiscot			x	x			B			
No. 3 Island Chute	P	[7.0] 8.3	6,25N,18E	29,25N,18E	Mississippi			x	x			B			
Noblett Cr.	P	[2.0] 2.4	Mouth	Noblett Lake Dam	Douglas			x	x			B			
Noblett Cr.	P	[4.0] 7.0	24,26N,11W	9,26N,10W	Douglas	Howell		x	x			B			
Noblett Cr.	C	[1.0] 1.2	9,26N,10W	[10,26N,10W] 3,26N,10W	Howell			x	x			B			
Nodaway R.	P	[60.0] 59.3	Mouth	State Line	Andrew	Nodaway	x	x	x			B		x	
Noix Cr.	P	[1.5] 1.9	Mouth	19,54N,1W	Pike			x	x			B			
Noix Cr.	C	[5.0] 4.6	19,54N,1W	[Hwy. 54] 3,53N,2W	Pike			x	x			B			
Norborne Drainage Ditch	P	5.1	34,52N,25W	21,52N,26W	Carroll	Ray		x	x			B			
Norman Cr.	C	[7.4] 7.7	Mouth	08,36N,06W	Phelps			x	x			B			
Norris Cr.	C	4.0	Mouth	33,44N,27W	Henry			x	x			B			
North Branch Wilsons Cr.	P	3.8	29,29N,22W	16,29N,22W	Greene			x	x			B			
North Cut Ditch	P	[24.0] 24.8	Mouth	3,28N,14E	New Madrid	Scott	x	x	x			B		x	
North Cut Ditch	C	[3.0] 2.3	3,28N,14E	35,29N,14E	Scott		x	x	x			B		x	
North Fk.	C	1.5	Mouth	16,36N,2E	Washington			x	x			B			
North R.	C	[12.2] 8.7	[28,60N,11W] 26,60N,11W	[Hwy. 151] 13,60N,12W	[Shelby] Knox	[Knox]		x	x					x	
North R.	P1	4.0	Mouth	8,58N,5W	Marion			x	x			B		x	
North R.	P	[40.0] 49.0	8,58N,5W	[Hwy. 15] 33,59N,10W	Marion	Shelby		x	x			B		x	
North R.	C	[5.0] 12.8	[Hwy. 15] 33,59N,10W	[28,60N,11W] 26,60N,11W	Shelby	Knox		x	x			B		x	
Northcut Br.	P	1.0	Mouth	27,39N,1W	Washington			x	x			B			
Northcut Br.	C	[1.0] 1.3	27,39N,1W	34,39N,1W	Washington			x	x			B			
Norvey Cr.	C	[9.0] 9.3	Mouth	9,66N,34W	Nodaway			x	x			B			
Nulls Cr.	C	[5.5] 5.8	Mouth	15,50N,2W	Lincoln			x	x			B			
[Old #7 Chute] Chute of Island No.7	C	[2.0] 1.4	26,23N,16E	36,23N,16E	Mississippi		x	x	x			B			
Old Bland Cr.	C	2.0	Mouth	8,41N,6W	Gasconade			x	x			B			
Old Ch. L. Tarkio Cr.	P	[6.0] 5.3	Mouth	22,61N,39W	Holt			x	x			B			
Old Ch. L. Tarkio Cr.	C	[8.0] 8.3	22,61N,39W	20,62N,39W	Holt			x	x			B			
Old Ch. Nishnabotna R.	P	[13.0] 13.7	30,64N,41W	1,65N,42W	Atchison			x	x			B			
Old Ch. Nishnabotna R.	C	3.0	1,65N,42W	25,66N,42W	Atchison			x	x			B			
Old Ch. St. Francis R.	P	4.5	[35,22N,8E] Mouth	34,22N,8E	Dunklin			x	x			B			
Old Ch. St. Francis R.	C	8.0	32,22N,8E	15,22N,8E	Dunklin			x	x			B			
Old Chan. Chariton R.	C	[7.5] 14.6	[24,65N,16W] 34,65N,16W	34,66N,16W	Putnam	Schuyler		x	x			B			
Old Chan. Chariton R.	C	2.0	Mouth	32,56N,16W	Chariton			x	x			B			
Old Chan. Chariton R.	P	14.5	Mouth	9,52N,18W	Chariton			x	x			B			
Old Chan. Chariton R.	C	11.0	9,52N,18W	29,53N,18W	Chariton			x	x			B			
Old Chan. Grand R.	C	[3.5] 3.1	[1,58N,27W]	35,59N,27W	Daviess			x	x			B			

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WATER BODY	CLASS	MILES	FROM 12,58N,27W	TO	COUNTY	COUNTY 2	IRR	LWW	AQL	CLF	CDF	WBC	SCR	DWS	IND
Old Chan. Grand R.	C	2.5	Mouth	18,57N,24W	Livingston			x	x					B	
Old Chan. Grand R.	P	[14.0] 15.2	Mouth	[6,58N,26W] 12,58N,26W	Daviess			x	x					B	
Old Chan. Grand R.	C	1.5	20,57N,23W	[30,57N,23W] 29,57N,23W	Livingston			x	x					B	
Old Chan. Grand R.	C	[5.0] 5.3	[2,56N,22W] 7,56N,21W	[7,56N,21W] 2,56N,22W	Livingston			x	x					B	
Old Chan. Grand R.	C	4.0	26,57N,23W	26,57N,23W	Livingston			x	x					B	
Old Chan. Hubble Cr.	C	[2.5] 2.9	Mouth	11,29N,12E	Scott	Cape Girardeau		x	x					B	
Old Chan. Little R.	C	[11.0] 15.4	33,20N,11E	3,20N,12E	Pemiscot			x	x					B	
Old Chan. Little R.	P	[39.5] 47.2	26,22N,12E	[11,27N,12E] 2,27N,12E	New Madrid	Scott		x	x					B	
Old Chan. Little R.	P	[3.5] 4.3	11,27N,12E	[31,28N,12E] 32,28N,12E	Scott			x	x					B	
Old Chan. Mud Cr.	P	3.0	Mouth	29,56N,25W	Livingston			x	x					B	
Old Chan. Nodaway R.	C	[5.0] 10.0	Mouth	35,62N,37W	Andrew	Holt		x	x					B	
Old Chan. Nodaway R.	C	[1.0] 1.2	Mouth	11,66N,37W	Nodaway			x	x					B	
Old Chan. Nodaway R.	C	2.0	Mouth	1,66N,37W	Nodaway			x	x					B	
Old Chan. Nodaway R.	C	1.5	Mouth	23,66N,37W	Nodaway			x	x					B	
Old Chan. Nodaway R.	C	1.0	Mouth	27,66N,37W	Nodaway			x	x					B	
Old Chan. Nodaway R.	C	2.5	4,65N,37W	34,66N,37W	Nodaway			x	x					B	
Old Chan. Nodaway R.	C	[4.5] 3.7	8,65N,37W	5,65N,37W	Nodaway			x	x					B	
Old Chan. Nodaway R.	C	2.5	Mouth	17,65N,37W	Nodaway			x	x					B	
Old Chan. Nodaway R.	C	[2.5] 2.8	Mouth	30,65N,37W	Nodaway			x	x					B	
Old Chan. Nodaway R.	C	1.0	1,59N,37W	1,59N,37W	Holt	Andrew		x	x					B	
Old Chan. Platte R.	C	[3.0] 3.4	Mouth	16,56N,34W	Buchanan			x	x					B	
Old Chan. Platte R.	C	[1.0] 2.2	Mouth	35,57N,34W	Buchanan			x	x					B	
Old Chan. Platte R.	C	4.0	21,57N,34W	4,57N,34W	Buchanan			x	x					B	
Old Chan. Platte R.	C	5.0	4,57N,34W	28,58N,34W	Buchanan			x	x					B	
Old Chan. Platte R.	C	1.0	34,57N,34W	27,57N,34W	Buchanan			x	x					B	
Old Chan. Thompson R.	C	[1.0] 1.2	2,61N,25W	35,62N,25W	Grundy			x	x					B	
Old Chan. Thompson R.	C	[1.0] 2.7	32,63N,25W	29,63N,25W	Grundy			x	x					B	
Old Chan. Thompson R.	C	[1.0] 1.6	8,62N,25W	5,62N,25W	Grundy			x	x					B	
Old Chan. Thompson R.	C	[6.5] 8.4	34,62N,25W	8,62N,25W	Grundy			x	x					B	
Old Chan. Thompson R.	C	[3.0] 3.6	9,57N,24W	4,57N,24W	Livingston			x	x					B	
Old Chan. Wakenda Cr.	P	3.0	6,52N,23W	1,52N,24W	Carroll			x	x					B	
Old Chan. Weldon R.	C	4.0	Mouth	20,62N,24W	Grundy			x	x					B	
[Old Kings Lake Sl.] Old Kings Lake Cr.	P1	[13.0] 6.2	Mouth	Sur 1724,50N,2E	Lincoln			x	x					B	
[Old Kings Lake Sl.] Old Kings Lake Cr	P	[2.0] 3.2	Sur 1724, 50N,2E	35,51N,2E	Lincoln			x	x					B	
[Old Kings Lake Sl.] Old Kings Lake Cr.	C	[7.0] 7.3	35,51N,2E	3,51N,2E	Lincoln			x	x					B	
Old Mines Cr.	P	[6.0] 6.6	Mouth	[Hwy. 47] Sur 3039,38N,2E	Washington			x	x					A	
Old Mines Cr.	C	1.0	[Hwy. 47]	[Hwy. 21]	Washington			x	x					B	

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Old R. (Slough Miss.)	P	[10.5] 9.2	Mouth	[12,37N,9E] 18,37N,10E	Ste. Genevieve			x	x			B			
Old Town Br.	C	[7.0] 7.3	Mouth	14,36N,31W	Vernon			x	x			B			
Olive Br.	C	[0.8] 1.0	Mouth	17,46N,20W	Pettis			x	x			B			
Omete Cr.	P	3.5	Mouth	15,35N,12E	Perry			x	x			B			
Omete Cr.	C	[1.0] 1.2	15,35N,12E	22,35N,12E	Perry			x	x			B			
One Hundred and Two R.	P	[74.5] 79.7	Mouth	State Line	Buchanan	Nodaway	x	x	x			B	x	x	
Open Hollow	C	[1.0] 0.8	Mouth	16,28N,4W	Shannon			x	x			B			
Opossum Cr.	C	[2.0] 2.5	Mouth	36,30N,11W	Texas			x	x			B			
Opossum Cr.	C	1.5	Mouth	31,40N,3W	Crawford			x	x			B			
Opossum Cr.	C	[6.0] 6.4	Mouth	28,30N,30W	Jasper			x	x			B			
Opossum Cr.	P	[1.5] 1.9	Mouth	12,30N,9E	Bollinger			x	x			B			
Opossum Cr.	C	[2.0] 2.2	12,30N,9E	11,30N,9E	Bollinger			x	x			B			
Osage Fk.	P	69.0	Mouth	26,30N,17W	Laclede	Webster		x	x	x		A	x		
Osage R.	P	[82.0] 81.9	Mouth	Bagnell Dam	Osage	Miller	x	x	x			A	x		
Otter Cr.	C	[33.0] 37.6	Mouth	8,56N,12W	Monroe	Shelby		x	x			B			
Otter Cr.	C	[2.0] 2.2	Mouth	22,24N,16W	Ozark			x	x			B			
Otter Cr.	P	[5.0] 6.0	Mouth	18,27N,6E	Wayne			x	x			B			
Otter Cr.	C	[15.5] 18.0	18,27N,6E	18,28N,4E	Wayne			x	x			B			
Otter Cr.	C	[2.0] 2.5	Mouth	11,56N,27W	Caldwell			x	x			B			
Otter Cr.	C	3.0	Mouth	31,46N,18W	Cooper			x	x			B			
[Otter Slough] Otter Slough Ditch	P	[7.0] 7.3	Mouth	3,24N,13E	New Madrid			x	x			B			
Otter Slough Ditch	P	4.0	12,23N,8E	19,24N,9E	Stoddard			x	x			B			
Ottery Cr.	C	[2.0] 1.8	14,34N,1E	12,34N,1E	Iron			x	x			B			
Ottery Cr.	P	[6.0] 6.9	Mouth	14,34N,1E	Reynolds	Iron		x	x			B			
Owens Cr.	C	[3.0] 3.2	Mouth	21,43N,32W	Cass			x	x			B			
Owens Cr.	C	[3.0] 3.7	Mouth	12,42N,8W	Osage			x	x			B			
Owl Cr.	C	2.0	Mouth	11,36N,4E	St. Francois			x	x			B			
Owl Cr.	C	3.3	Mouth	27,49N,28W	Lafayette			x	x			B			
Owl Cr.	C	[4.6] 4.8	Mouth	24,54N,35W	Platte			x	x			B			
Owl Cr.	C	2.0	Mouth	3,47N,11W	Callaway			x	x			B			
P.D. Cr.	C	0.1	Mouth	28,40N,21W	Benton			x	x			B			
[Painter Cr.] Painter Br.	C	3.2	Mouth	33,48N,20W	Pettis			x	x			B			
Palmer Cr.	P	[10.5] 12.2	Mouth	9,53N,19W	Chariton			x	x			B			
Palmer Cr.	C	[2.0] 2.8	9,53N,19W	33,54N,19W	Chariton			x	x			B			
Panther Cr.	C	[7.0] 8.0	Mouth	15,44N,29W	Johnson			x	x			B			
Panther Cr.	C	[11.0] 12.6	Mouth	14,39N,29W	Bates			x	x			B	x		
Panther Cr.	C	[7.8] 9.7	Mouth	13,35N,24W	[Polk] St. Clair	[Hickory] Polk		x	x			B			
Panther Cr.	P	[2.0] 2.9	Mouth	13,32N,17W	[Laclede] Webster	Laclede		x	x			B			
Panther Cr.	C	0.5	13,32N,17W	14,32N,17W	Laclede			x	x			B			
Panther Cr.	P	[2.5] 3.1	Mouth	36,32N,10E	Cape Girardeau	Bollinger		x	x			B			
Panther Cr.	C	[1.0] 1.2	36,32N,10E	2,31N,10E	Bollinger			x	x			B			
Panther Cr.	P	[8.5] 9.3	Mouth	29,29N,18W	Webster			x	x			B			

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Panther Cr.	C	[3.2] 2.3	Mouth	18,28N,11W	Texas			x	x			B			
[Panther Cr.]	[C]	[2.0]	[Mouth]	[32,36N,24W]	[St. Clair]			[x]	[x]			[B]			
Panther Cr.	C	[5.0] 4.8	Mouth	33,64N,30W	Gentry			x	x			B			
Panther Cr.	C	[3.5] 5.0	Mouth	28,57N,26W	Caldwell			x	x				x		
Panther Cr.	P	[2.0] 3.5	Mouth	14,64N,26W	Harrison			x	x			B			
Panther Cr.	C	[7.0] 6.8	14,64N,26W	36,65N,27W	Harrison			x	x			B			
Panther Hollow	C	[1.1] 1.5	Mouth	[10,27N,07W] 3,27N,07W	Howell			x	x			B			
Paris Br.	C	3.0	Mouth	31,50N,1W	Lincoln			x	x				x		
Parker Br.	P	[2.0] 3.4	Mouth	2,39N,32W	Bates			x	x			B			
Parker Br.	C	[2.0] 2.6	26,33N,3W	15,33N,3W	Reynolds			x	x			B			
Parker Hollow	P	[2.0] 2.2	Mouth	20,32N,6W	Dent			x	x		x	B			
Parks Cr.	P	3.0	Mouth	30,32N,15W	Laclede	Wright		x	x			B			
Parks Cr.	C	[2.0] 2.4	30,32N,15W	[8,30N,15W] 6,31N,15W	Wright			x	x			B			
Parson Cr.	P	15.0	Mouth	23,58N,22W	Livingston	Linn		x	x			B	x		
Parson Cr.	C	[14.0] 14.6	23,58N,22W	31,60N,21W	Linn			x	x			B			
Pass Br.	C	[3.0] 3.2	Mouth	3,50N,23W	Saline			x	x			B			
Patterson Cr.	C	[1.5] 1.8	Mouth	35,33N,4E	Iron			x	x			B			
Patterson Cr.	P	[2.0] 3.5	State Line	[Hwy. 43] 11,22N,34W	McDonald		x	x	x			B			
Patton Br.	C	5.0	Mouth	26,33N,29W	Barton			x	x			B			
Pea Ridge Cr.	P	1.5	Mouth	2,29N,22W	Greene			x	x			B		x	
Peachtree Fk.	P	2.0	Mouth	[8,29N,4E] 5,29N,4E	Wayne			x	x			B			
Peachtree Fk.	C	[3.0] 3.2	[8,29N,4E] 5,29N,4E	36,30N,3E	Wayne			x	x			B			
Pearson Cr.	P	8.0	Mouth	5,29N,20W	Greene			x	x			A			
Peavine Cr.	C	[1.5] 1.7	Mouth	11,40N,7W	Maries			x	x			B			
Peavine Cr.	C	[4.0] 3.7	Mouth	[29,48N,24W] 20,48N,24W	Johnson			x	x			B			
Pecaut Hollow	C	1.5	Mouth	19,35N,10E	Perry			x	x			B			
Peckout Hollow	C	[2.0] 1.8	Mouth	9,25N,20W	Christian			x	x			B			
Peddler Cr.	P	1.5	Mouth	28,64N,31W	Gentry			x	x			B			
Peddler Cr.	C	[2.5] 3.0	28,64N,31W	16,64N,31W	Gentry			x	x			B	x		
Pedelo Cr.	P	0.5	Mouth	7,27N,19W	Christian			x	x			B			
Pedelo Cr.	C	1.0	7,27N,19W	6,27N,19W	Christian			x	x			B			
Pedlar Cr.	C	[5.0] 5.4	Mouth	23,61N,36W	Andrew			x	x			B			
Peers Slough	C	[2.5] 3.0	Mouth	27,45N,2W	Warren			x	x			B			
Peno Cr.	C	[11.0] 14.4	Mouth	32,54N,3W	Pike			x	x	x		B			
Pepper Cr.	C	[2.4] 2.8	Mouth	33,44N,23W	Pettis			x	x			B			
Perche Cr.	C	[21.0] 23.7	5,49N,13W	19,52N,13W	Boone	Randolph		x	x			B			
Perche Cr.	P1	[11.0] 11.3	Mouth	29,48N,13W	Boone			x	x			B	x		
Perche Cr.	P	[17.0] 17.5	29,48N,13W	5,49N,13W	Boone			x	x			B	x		
Perkins Br.	P	1.5	Mouth	[13,27N,6E] 12,27N,6E	Wayne			x	x			B			
Perkins Cr.	C	3.0	36,30N,8E	24,30N,8E	Bollinger			x	x			B			
Perkins Cr.	P	[7.0] 8.5	Mouth	36,30N,8E	Bollinger			x	x			B			

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Peruque Cr.	P1	[6.0] 9.6	Mouth	[Hwy. 79] 9,47N,3E	St. Charles			x	x			B		x	
Peruque Cr.	P	[8.0] 10.3	[Hwy. 79] 9,47N,3E	Lake St. Louis Dam	St. Charles			x	x			B		x	
Peruque Cr.	P	4.0	[Hwy. 40/61] Mouth	25,47N,1E	St. Charles			x	x			B		x	
Peruque Cr.	C	[8.5] 10.9	25,47N,1E	23,47N,1W	St. Charles	Warren		x	x			B		x	
Peters Br.	C	1.5	Mouth	13,29N,5E	Wayne			x	x			B			
Peters Cr.	C	3.5	Mouth	22,29N,8W	Texas			x	x			B			
Peters Cr.	C	1.0	Mouth	36,32N,6E	Madison			x	x			B			
Petite Saline Cr.	P	[17.0] 21.0	Mouth	24,48N,17W	Moniteau	Cooper		x	x			A		x	
Petite Saline Cr.	C	[24.0] 28.0	24,48N,17W	26,46N,18W	Cooper			x	x			B		x	
Pettis Cr.	C	[6.5] 5.3	Mouth	9,31N,30W	Barton			x	x			B			
[Pickeral Cr.] Pickeral Cr.	P	[3.0] 3.3	Mouth	26,29N,24W	Greene			x	x			B			
[Pickeral Cr.] Pickeral Cr.	C	0.5	26,29N,24W	26,29N,24W	Greene			x	x			B			
Pickle Cr.	P	[7.0] 7.8	Mouth	19,36N,7E	Ste. Genevieve			x	x			B			
Pierre Fleche Cr.	C	[5.0] 5.5	Mouth	15,50N,19W	Saline			x	x			B			
Pigeon Cr.	C	[1.0] 1.2	State Line	11,21N,13W	Ozark			x	x			B			
Pigeon Cr.	P	[6.0] 7.6	Montauk Spring	8,32N,7W	Dent			x	x			A			
Pigeon Cr.	C	[6.0] 7.7	8,32N,7W	34,33N,8W	Dent	Texas		x	x			B			
Pigeon Cr.	C	[6.5] 7.2	Mouth	15,56N,35W	Buchanan			x	x			B			
Pigeon Roost Cr.	C	0.5	Mouth	18,54N,7W	Monroe			x	x			B			
Pike Cr.	P	[3.0] 3.8	Mouth	34,27N,1W	Carter			x	x	x		B			
Pike Cr.	C	[22.0] 25.6	34,27N,1W	27,27N,3W	Carter	Shannon		x	x			B			
Pike Cr.	C	6.0	15,24N,6E	30,25N,6E	Butler		x	x	x			[B]			
Pike Cr.	C	5.0	18,22N,6E	33,23N,6E	Butler		x	x	x			B			
Pike Cr. Ditch	C	[3.0] 4.0	[Mouth] State Line	18,22N,6E	Butler		x	x	x			B			
Pike Slough	C	[5.0] 6.4	Mouth	28,24N,6E	Butler			x	x						
Pilot Br.	C	1.0	Mouth	10,44N,16W	Moniteau			x	x			B			
Pilot Grove Cr.	C	[5.0] 5.4	Mouth	11,60N,27W	Daviess			x	x			B			
[Pilot Knob Cr.] Knob Cr.	C	[2.0] 2.2	Mouth	30,34N,4E	Iron			x	x			B			
Pin Oak Cr.	P	[1.0] 1.3	Mouth	7,43N,6W	Gasconade			x	x			B			
Pin Oak Cr.	C	[1.5] 1.8	[7,43N,6W] 17,43N,6W	Hwy. 50	Gasconade			x	x			B			
Pin Oak Cr.	C	2.0	Mouth	3,44N,3W	Franklin			x	x			B			
Pin Oak Cr.	C	3.0	Mouth	03,42N,04W	Franklin			x	x			B			
Pin Oak Cr.	C	1.6	Mouth	11,39N,07W	Maries			x	x			B			
Pin Oak Cr.	C	3.0	Mouth	[25,46N,28W] 3,45N,28W	Johnson			x	x			B		x	
Pine Br.	C	[4.2] 3.6	Mouth	01,28N,08W	Texas			x	x			B			
Pine Cr.	P	1.5	Mouth	30,23N,12W	Ozark			x	x			B			
Pine Cr.	C	[9.0] 8.6	30,23N,12W	2,23N,13W	Ozark			x	x			B			
Pine Cr.	P	[8.0] 9.5	Mouth	5,27N,9W	Texas	Howell		x	x			B			
Pine Cr.	C	1.0	5,27N,9W	[5,27N,9W] 6,27N,9W	Howell			x	x			B			

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Pine Hollow	C	4.0	Mouth	25,28N,5W	Shannon			x	x			B			
Pine Run	C	[4.0] 5.1	Mouth	26,25N,24W	Stone			x	x			B			
Pine Valley Cr.	C	[6.5] 6.9	Mouth	13,28N,1W	Carter	Reynolds		x	x			B			
Pinery Cr.	C	[0.5] 0.8	Mouth	21,39N,1E	Washington			x	x			B			
Pinery Cr.	C	1.0	Mouth	36,40N,1E	Washington			x	x			B			
Piney Br.	C	[1.0] 1.2	Mouth	25,36N,1W	Washington			x	x			B			
Piney Cr.	C	[3.0] 2.8	Mouth	22,23N,25W	Stone	Barry		x	x			B			
Piney Cr.	C	10.5	Mouth	Hwy. 160	Oregon			x	x			B			
Piney Cr.	C	1.5	Mouth	7,33N,6E	Madison			x	x			B			
Piper Cr.	P	[7.5] 5.3	Mouth	[Hwy. 83] 31,34N,22W	Polk			x	x			B			
Pipes Br.	C	2.0	Mouth	16,49N,15W	Howard			x	x			B			
Pippin Br.	P	3.0	26,37N,20W	28,37N,20W	Hickory			x	x			B			
Pippin Br.	P	[0.8] 1.0	Mouth	26,37N,20W	Hickory			x	x			B			
Platte R.	P	[138.0] 142.4	Mouth	State Line	Platte	Worth	x	x	x			B	x	x	
Plattin Cr.	P	[24.0] 19.9	Mouth	01,38N,05E	Jefferson	St. Francois		x	x			A	x		x
Plattin Cr.	C	[3.0] 3.5	[17,38N,05E] 31,39N,06E	[17,38N,06E] 8,38N,06E	[St. Francois] Jefferson	St. Francois	[x]	x	x			B			
Pleasant Run Cr.	C	[6.7] 7.6	Mouth	28,34N,31W	Vernon			x	x			B			
Pleasant Valley Cr.	P	[3.0] 3.2	Mouth	14,39N,5W	Crawford			x	x			B			
Pleasant Valley Cr.	C	[1.0] 1.7	14,39N,5W	24,39N,5W	Crawford			x	x						
Plum Cr.	C	[1.5] 1.8	Mouth	2,33N,6E	Madison			x	x			B			
Pogue Cr.	C	2.5	Mouth	32,24N,28W	Barry			x	x			B			
Pointers Cr.	C	1.0	Mouth	31,43N,7W	Osage			x	x			B	x		
Pole Hollow	P	[3.0] 4.3	Mouth	25,42N,20W	[Morgan] Benton	[Benton]		x	x			B			
Polecat Cr.	C	4.0	Mouth	13,34N,26W	Cedar			x	x			B			
Polecat Cr.	C	[8.0] 11.1	Mouth	Hwy. 136	Harrison			x	x			B			
Pomme Cr.	P	[2.0] 1.8	Mouth	[32,43N,06E] Sur 2991,43N,06E	Jefferson			x	x			B			
Pomme de Terre R.	P	[21.0] 21.8	Mouth	Pomme de Terre Dam	Hickory			x	x	x		A	x		
Pomme de Terre R.	P	[62.0] 69.1	[24,35N,23W] Mouth	7,30N,18W	Polk	Webster		x	x			A	x		
Pond Cr.	P	4.0	Mouth	5,28N,23W	Greene			x	x			B			
Pond Cr.	P	[1.0] 1.3	Mouth	35,38N,3E	Washington			x	x			B			
[Pond Cr.] Trib. to Pond Cr.	C	[1.0] 1.9	35,38N,3E	11,37N,3E	Washington			x	x			B			
Pond Cr.	C	3.0	Mouth	30,30N,33W	Jasper			x	x			B			
Pond Cr.	P	[4.0] 4.4	Mouth	11,29N,8E	Bollinger			x	x			B			
Pond Cr.	C	2.0	11,29N,8E	3,29N,8E	Bollinger			x	x			B			
Pond Fk.	P	[2.0] 4.2	Mouth	23,23N,16W	Ozark			x	x			B			
Pond Fk.	C	[7.0] 6.3	23,23N,16W	Taney Co. Line	Ozark			x	x			B			
Pond Spring Br.	P	[1.9] 2.6	Mouth	15,30N,08W	Texas			x	x			B			
Poney Cr.	P	[3.2] 3.9	Mouth	13,44N,33W	Cass			x	x			B			
Poney Cr.	C	[9.1] 8.3	13,44N,33W	State Line	Cass			x	x			B			
Poor Cr.	C	[2.5] 3.0	Mouth	13,48N,3W	Montgomery			x	x			B			

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Possum Hollow	C	1.0	Mouth	12,38N,17W	Camden			x	x			B			
Possum Hollow	P	[2.0] 1.4	28,27N,7E	22,27N,7E	Wayne			x	x			B			
Possum Hollow	C	1.0	22,27N,7E	16,27N,7E	Wayne			x	x			B			
Possum Trot Hollow	P	2.0	Mouth	16,35N,2W	Crawford			x	x			B			
Possum Trot Hollow	C	1.0	16,35N,2W	21,35N,2W	Crawford			x	x			B			
Possum Walk Cr.	C	[4.0] 4.2	Mouth	18,21N,13W	Ozark			x	x			B			
[Postoak Cr.] Post Oak Cr.	P	[4.0] 3.3	Mouth	22,46N,26W	Johnson			x	x			B	x		
Potters Cr.	P	[4.0] 4.4	Mouth	16,28N,10W	Texas			x	x			B			
Potters Cr.	C	[2.0] 1.4	16,28N,10W	22,28N,10W	Texas			x	x			B			
[Powers Island Chute] Doolan Chute	P	[9.0] 9.6	Mouth	30,29N,15E	Scott			x	x			B	x		
[Prairie Br.] Prairie Fk.	P	[2.5] 2.9	Mouth	8,47N,6W	Montgomery			x	x			B			
[Prairie Br.] Prairie Fk.	C	5.0	8,47N,6W	10,47N,7W	Montgomery	Callaway		x	x			B			
Prairie Cr.	C	[1.0] 1.5	Mouth	1,39N,5W	Crawford			x	x			B			
Prairie Cr.	C	[3.0] 4.3	Mouth	3,27N,15W	Douglas			x	x			B			
Prairie Cr.	C	[4.0] 3.7	Mouth	12,52N,35W	Platte			x	x			B			
Prairie Cr.	C	[2.9] 3.5	Mouth	35,39N,22W	Benton			x	x			B			
Prairie Cr.	C	2.0	Mouth	36,39N,11W	Maries			x	x			B			
Prairie Cr.	C	4.1	Mouth	04,32N,12W	Texas	Laclede		x	x			B			
Prairie Fk.	C	[3.0] 3.9	Mouth	20,46N,9W	Callaway			x	x			B			
Prairie Hollow	P	[7.0] 6.8	Mouth	04,37N,18W	Camden			x	x			B			
Prairie Run Hollow	C	1.0	Mouth	25,25N,27W	Barry			x	x			B			
Price Br.	C	3.0	[6,33N,25W] Mouth	34,34N,25W	Cedar			x	x			B			
Price Cr.	C	[1.5] 1.7	Mouth	27,40N,6W	Gasconade			x	x			B			
Prime Cr.	C	[1.5] 2.2	Mouth	31,46N,9W	Callaway			x	x			B			
Primrose Cr.	C	2.0	Mouth	22,38N,4E	St. Francois			x	x			B			
Profits Cr.	C	2.0	Mouth	24,42N,12W	Cole			x	x			B			
Province Br.	P	[1.5] 1.2	Mouth	[3,29N,25W] 2,29N,25W	Lawrence			x	x			B			
Pruett Cr.	[C]P	[1.5] 1.7	Mouth	16,38N,5W	Crawford			x	x			B			
Pruett Cr.	[P]C	[1.0] 1.2	16,38N,5W	9,38N,5W	Crawford			x	x			B			
Pryor Cr.	C	[2.5] 3.2	Mouth	08,37N,32W	Vernon			x	x			B			
Pucket Br.	C	[1.0] 1.2	Mouth	12,38N,1E	Washington			x	x			B			
Pump Hollow	C	2.0	Mouth	16,40N,2W	Crawford			x	x			B	x		
Punch Cr.	C	[1.0] 1.3	Mouth	6,31N,9E	Bollinger			x	x			B			
Puncheon Cr.	C	[2.5] 2.9	Mouth	[36,44N,5W] 36,44N,6W	Gasconade			x	x			B			
Purcett Br.	C	[2.3] 3.2	Mouth	05,35N,25W	St. Clair	Cedar		x	x			B			
Puzzle Cr.	C	[13.0] 12.5	Mouth	25,57N,17W	Chariton	Macon		x	x			B			
Pyatt Hollow	C	2.0	Mouth	13,36N,3W	Crawford			x	x			B			
Quick Cr.	P1	[1.5] 1.8	Mouth	[28,46N,5W] Sur 2658,46N,5W	Montgomery			x	x			B			
Quick Cr.	C	[4.5] 2.0	[28,46N,5W] Sur 2658,46N,5W	[25,46N,6W] 32,46N,5W	Montgomery			x	x					x	
Rabbit Hollow	C	[1.0] 1.5	Mouth	14,38N,1E	Washington			x	x			B			
Raccoon Cr.	C	[4.0] 3.7	Mouth	5,61N,25W	Grundy			x	x						

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Raccoon Hollow	C	1.0	Mouth	16,24N,11W	Ozark		x	x				B			
Race Cr.	P	0.5	Mouth	21,37N,1E	Washington		x	x				B			
Ragan Br.	C	[3.8] 4.3	Mouth	20,36N,07W	Phelps		x	x				B			
Railey Cr.	C	[6.5] 7.4	Mouth	[Hwy. 13] Reeds Spring	Stone		x	x				B			
Rainy Cr.	P	2.5	[5,39N,19W] Mouth	7,39N,19W	Camden		x	x				A	x		
Rainy Cr.	C	1.5	7,39N,19W	13,39N,20W	[Benton] Camden	Benton	x	x				B			
Ramsey Br.	P	6.5	Mouth	33,31N,13E	Cape Girardeau		x	x				B	x		
Ramsey Br.	C	1.0	33,31N,13E	28,31N,13E	Cape Girardeau		x	x				B			
Ramsey Cr.	C	[7.0] 8.9	Mouth	Sur 1709(9), 52N,1E	Pike		x	x				B			
Ramsey Cr.	P	[6.0] 6.3	Mouth	20,29N,14E	Scott		x	x				B			
Ramsey Cr. Div. Chan.	P	3.0	Mouth	1,29N,13E	Scott		x	x				B			
Rattlesnake Cr.	C	3.0	Mouth	3,56N,25W	Livingston		x	x				B			
Red Oak Cr.	P	[5.0] 5.2	Mouth	28,42N,4W	Franklin	Gasconade	x	x				B			
Red Oak Cr.	C	[9.0] 10.0	28,42N,4W	16,41N,5W	Gasconade		x	x				B			
Reed Cr.	C	[2.1] 2.7	Mouth	11,37N,32W	Vernon		x	x				B			
Reese Fk.	C	7.0	Mouth	28,53N,12W	Monroe		x	x				B	x		
Reid Cr.	C	[1.5] 2.6	Mouth	5,38N,27W	St. Clair		x	x				B			
Reid Cr.	C	2.0	Mouth	[Sur 1717,51N,2W] Sur 1812,51N,2W	Lincoln		x	x				B			
Reid Cr.	C	[22.0] 2.3	Mouth	[30,35N,3E] Sur 3093,35N,3E	Washington	Iron	x	x				[B]			
Reisobel Br.	C	[1.0] 1.2	Mouth	[22,40N,6W] 21,40N,6W	Gasconade		x	x				B			
Richland Cr.	C	0.5	Mouth	6,44N,6W	Gasconade		x	x				B			
Richland Cr.	C	[4.0] 4.3	Mouth	29,48N,9W	Callaway		x	x				B	x		
Richland Cr.	P	[3.5] 5.1	Mouth	Hwy. 87	Howard		x	x				B			
Richland Cr.	C	2.0	Hwy. 87	16,50N,17W	Howard		x	x				B			
Richland Cr.	P	[8.0] 8.7	13,45N,19W	17,44N,18W	Morgan		x	x				A	x		
Richland Cr.	C	10.0	17,44N,18W	22,43N,18W	Morgan		x	x				A	x		
Ricky Cr.	C	[6.0] 7.8	Mouth	[15,39N,28W] 14,39N,28W	St. Clair		x	x				B			
Riggin Br.	C	[1.5] 1.9	Mouth	21,60N,35W	Andrew		x	x				B			
Rings Cr.	P	[5.0] 5.2	Mouth	23,29N,4E	Wayne		x	x				A			
Rings Cr.	C	[0.5] 1.1	23,29N,4E	27,29N,4E	Wayne		x	x				B			
Rippee Cr.	P	4.5	Mouth	13,25N,15W	Douglas		x	x				B			
Rippee Cr.	C	2.0	13,25N,15W	14,25N,15W	Douglas		x	x				B			
Rising Cr.	P	[1.0] 1.2	Mouth	[M.P.R.R. tracks] Sur 5616,44N,10W	Cole		x	x							
Rising Cr.	C	[4.0] 4.4	[M.P.R.R. tracks] 19,44N,10W	36,44N,11W	Cole		x	x				B	x		
Rivaux Cr.	P1	[1.5] 2.2	Mouth	21,44N,10W	Callaway		x	x				B			
Rivaux Cr.	C	3.5	21,44N,10W	8,44N,10W	Callaway		x	x				B			

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River aux Vases	P	[17.0] 21.6	Mouth	[18,36N,8E] 12,36N,7E	Ste. Genevieve			x	x			A			
River aux Vases	C	[4.0] 7.1	[18,36N,8E] 12,36N,7E	27,36N,7E	Ste. Genevieve			x	x			B			
River des Peres	P	[1.5] 2.6	Mouth	[Gravois Cr.] Sur 1359,44N,6E	St. Louis City			x	x					x	
[River des Peres]	[C]	[1.0]	[Gravois Cr.]	[Morgan Ford Road]	[St. Louis City]			[x]	[x]						
River des Peres	P	3.7	Sur	Sur 2037,45N,6E	St. Louis City			x	x					x	
[Roach Lake] Roach Lake Cr.	C	[2.5] 0.7	[29,57N,23W] Mouth	[25,57N,24W] 30,57N,24W	Livingston			x	x			B			
Roaring R.	P	[7.0] 6.5	Mouth	[34,22N,27W] 27,22N,27W	Barry			x	x		x	A		x	
Roaring Springs	P	0.1	Mouth	35,33N,10W	Texas			x	x			B			
Roark Br.	C	[1.0] 1.3	Mouth	23,43N,14W	Cole			x	x			[B]		x	
Roark Cr.	C	[3.0] 2.7	Mouth	36,23N,22W	Taney			x	x		x	A		x	
Roark Cr.	C	4.0	36,23N,22W	15,23N,22W	Taney			x	x			A		x	
Roberts Br.	C	[1.0] 2.0	Mouth	5,54N,32W	Clinton			x	x			B			
Robinson Br.	C	[1.6] 2.0	Mouth	30,36N,29W	Vernon			x	x			B			
Robinson Creek	P	3.1	Mouth	Hwy B	Phelps			x	x			B			
Rock Br.	C	[3.0] 3.1	Mouth	[24,36N,3W] 25,36N,3W	Crawford			x	x			B			
Rock Br.	P	2.0	State Line	12,26N,34W	Newton			x	x			B			
[Rock Br.] Rocky Br.	C	1.6	Mouth	10,32N,10W	Texas			x	x						
Rock Cr.	C	1.0	Mouth	19,43N,11W	Cole			x	x			B			
Rock Cr.	C	3.0	Mouth	24,33N,12W	Texas			x	x			B			
Rock Cr.	P	[5.0] 5.8	Mouth	[2,42N,5E] Sur 2970,42N,5E	Jefferson			x	x			B		x	
Rock Cr.	C	3.0	[2,42N,5E] Sur 2970, 42N,5E	[Hwy. 21] Sur 1974,43N,5E	Jefferson			x	x			B			
Rock Cr.	P	[2.0] 2.2	Mouth	30,64N,41W	Atchison			x	x			B			
Rock Cr.	C	[18.0] 19.0	30,64N,41W	17,66N,40W	Atchison			x	x			B			
Rock Cr.	P	[3.0] 2.6	36,22N,26W	24,22N,26W	Barry			x	x			B			
Rock Cr.	C	[5.0] 4.6	24,22N,26W	8,22N,26W	Barry			x	x			B			
Rock Cr.	P	[0.5] 0.8	Mouth	19,34N,7E	Madison			x	x			B			
Rock Cr.	C	2.0	[19,34N,7E] Mouth	9,34N,7E	Madison	St. Francois		x	x			B			
Rock Cr.	P	[2.5] 2.9	Mouth	16,33N,5E	Madison			x	x			B			
Rock Cr.	C	[0.5] 1.1	16,33N,5E	17,33N,5E	Madison			x	x			B			
[Rock Cr.] Lower Rock Cr.	C	[2.5] 3.5	Mouth	[33,33N,5E] 32,33N,5E	Madison			x	x			B			
Rock Cr.	C	[3.6] 3.4	Mouth	[Hwy 92] 31,53N,31W	Clay			x	x			B			
Rock Cr.	C	[4.0] 4.8	Mouth	34,62N,12W	Knox			x	x			B			
Rock Cr.	P	[1.0] 0.5	Mouth	9,45N,13W	Cole			x	x			B			
Rock Cr.	C	[3.0] 4.0	9,45N,13W	18,45N,13W	Cole			x	x			B		x	
Rock Enon Cr.	C	[4.0] 3.3	Mouth	14,43N,15W	Moniteau			x	x			B			
Rockhouse Cr.	P	[2.0] 2.8	Mouth	14,23N,26W	Barry			x	x			B			
Rockhouse Cr.	C	[4.0] 4.3	14,23N,26W	28,23N,26W	Barry			x	x			B			

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Rocky Br.	C	3.2	Mouth	11,52N,33W	Clay			x	x				B		
Rocky Br.	C	0.4	Mouth	23,39N,02E	Washington			x	x				B		
Rocky Br.	C	[2.0] 1.7	Mouth	16,43N,16W	Moniteau			x	x				B		
Rocky Cr.	P	[2.0] 2.4	Mouth	6,28N,2W	Shannon			x	x				B		
Rocky Cr.	C	[3.0] 2.7	Mouth	7,28N,8E	Wayne	Bollinger		x	x				B		
Rocky Fk.	C	[8.0] 11.3	Mouth	36,50N,13W	Boone			x	x				B		
Rocky Fk.	C	0.1	Mouth	04,35N,01W	Washington			x	x				B		
Rocky Fk.	C	4.0	Mouth	19,53N,28W	Ray			x	x				B		
[Rocky Fk. Cr.] Rocky Ford Cr.	P	3.0	Mouth	21,42N,18W	Morgan			x	x				B		
Rocky Hollow	C	[1.0] 1.2	Mouth	08,35N,29W	Vernon			x	x				B		
[Rogers Cr.] Rodgers Cr.	C	1.0	Mouth	7,39N,10W	Maries			x	x				B		
Rogers Cr.	C	[9.4] 9.6	Mouth	28,28N,02W	Carter			x	x				A		
Rollins Cr.	C	[1.0] 1.3	Mouth	16,38N,14W	Miller			x	x				B		
Rollins Cr.	C	7.0	Mouth	13,51N,29W	Ray			x	x				[B]		
Ross Cr.	P	3.0	Mouth	13,41N,21W	Benton			x	x				B		
Roubidoux Cr.	P	4.0	Mouth	25,36N,12W	Pulaski			x	x		x		A	x	
Roubidoux Cr.	C	[20.0] 22.9	25,36N,12W	11,34N,12W	Pulaski			x	x	x			A	x	
Roubidoux Cr.	P	[18.0] 30.5	11,34N,12W	4,31N,11W	Pulaski	Texas		x	x	x			A	x	
Rubeneau Br.	C	[2.0] 1.8	Mouth	Sur 2115,37N,3E	Washington			x	x						
Rush Cr.	P	[4.0] 4.5	Mouth	[Hwy. 45] 22,51N,34W	Platte			x	x				B		
Rush Cr.	P	8.2	Mouth	[Hwy H] 5,51N,31W	Clay			x	x				A		
Rutledge Run	C	[2.0] 2.2	Mouth	15,35N,2E	Washington			x	x				B		
Rye Cr.	P	[2.0] 2.8	Mouth	23,41N,1E	Franklin			x	x				B		
Rye Cr.	C	[1.5] 1.0	23,41N,1E	26,41N,1E	Franklin			x	x				B		
S. Ashley Cr.	P	5.0	Mouth	[9,31N,7W] 8,31N,7W	Dent	Texas		x	x				B		
S. Ashley Cr.	C	2.0	9,31N,7W	18,31N,7W	Texas			x	x				B		
S. Big Cr.	C	[5.0] 5.6	Mouth	Lake Viking Dam	Daviess			x	x				B		
S. Blackbird Cr.	C	13.0	[2,64N,17W] Mouth	18,65N,18W	Putnam			x	x				B		
S. Bridges Cr.	C	4.0	[17,22N,11W] Mouth	13,22N,11W	Ozark			x	x				B		
S. Brush Cr.	C	2.0	Mouth	12,53N,9W	Monroe			x	x				B		
S. Davis Cr.	C	[6.4] 4.6	Mouth	22,48N,27W	Lafayette			x	x				B		
S. Deepwater Cr.	C	[1.0] 11.9	Mouth	20,40N,29W	Bates			x	x				B		
S. Dry Sac R.	P	[1.5] 2.0	Mouth	[36,30N,22W] 3,29N,22W	Greene			x	x				B		
S. Dry Sac R.	C	[2.0] 4.2	[5,29N,20W] 3,29N,22W	[3,29N,20W] 5,29N,21W	Greene			x	x				B		
S. Fabius R.	P	[61.5] 80.6	[24,59N,6W] Mouth	29,62N,11W	Marion	Knox		x	x	x			B		
S. Fk. Apple Cr.	P	[5.0] 5.5	Mouth	34,34N,10E	Cape Girardeau	Perry		x	x				B		
S. Fk. Apple Cr.	C	1.0	34,34N,10E	[33,34N,10E] 4,33N,10E	Perry			x	x				B		

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S. Fk. Blackwater R.	P	[5.0] 5.7	[12,46N,27W] Mouth	19,46N,27W	Johnson			x	x			B			
S. Fk. Blackwater R.	C	[14.0] 15.1	19,46N,27W	30,47N,28W	Johnson			x	x			B	x		
S. Fk. Brush Cr.	C	[4.9] 5.5	Mouth	03,34N,24W	Polk			x	x			B			
S. Fk. Buffalo Cr.	P	2.0	[20,24N,1E] Mouth	30,24N,1E	Ripley			x	x	x		B			
S. Fk. Buffalo Cr.	C	[4.0] 4.7	30,24N,1E	34,24N,1W	Ripley			x	x	x		B			
S. Fk. Capps Cr.	C	[4.0] 4.3	[17,25N,28W] Mouth	27,25N,28W	Barry			x	x			B	x		
S. Fk. Clear Cr.	C	6.0	Mouth	21,65N,36W	Nodaway			x	x			B			
S. Fk. Gees Cr.	C	[2.5] 2.8	Mouth	2,59N,25W	Livingston			x	x			B			
S. Fk. Isle Du Bois Cr.	C	[3.5] 4.0	Mouth	36,39N,6E	Ste. Genevieve			x	x			B			
S. Fk. Jonca Cr.	C	[1.5] 2.0	8,36N,7E	18,36N,7E	Ste. Genevieve			x	x			B			
[S. Fk. L. Meramec R.] Pierce Cr.	P	[3.5] 2.4	[7,41N,2E] Mouth	19,41N,2E	Franklin			x	x			B			
[S. Fk. L. Meramec R.] Pierce Cr.	C	[2.0] 2.8	19,41N,2E	31,41N,2E	Franklin			x	x			B			
S. Fk. M. Fabius R.	P	[11.0] 14.8	22,64N,12W	31,65N,13W	Scotland	Schuyler		x	x			B			
S. Fk. M. Fabius R.	C	13.0	31,65N,13W	Hwy. 63	Schuyler			x	x			B			
S. Fk. N. Fabius R.	C	[11.0] 11.5	Mouth	[34,67N,15W] 27,67N,15W	Schuyler			x	x			B			
S. Fk. North R.	P	[6.5] 6.9	Mouth	13,57N,8W	Marion			x	x			B			
S. Fk. North R.	C	[3.5] 4.3	13,57N,8W	21,57N,8W	Marion			x	x			B			
S. Fk. Pomme de Terre	P	[4.0] 5.0	Mouth	25,30N,20W	Greene			x	x			A	x		
S. Fk. S. Fabius R.	P	[5.5] 7.9	29,62N,11W	9,62N,12W	Knox			x	x			B			
S. Fk. S. Fabius R.	C	[12.5] 18.3	9,62N,12W	13,63N,14W	Knox	Adair		x	x			B			
S. Fk. S. Grand R.	C	[10.0] 14.2	Mouth	34,44N,33W	Cass			x	x			B			
S. Fk. Saline Cr.	P	[20.5] 23.4	Mouth	[28,35N,9E] 27,35N,9E	Perry			x	x	x		B			
S. Fk. Saline Cr.	C	5.0	[28,35N,9E] 27,35N,9E	1,34N,8E	Perry	Ste. Genevieve		x	x			B			
S. Fk. Salt R.	P	[18.0] 9.3	[8,53N,8W] Mouth	Audrain Co. Line	Monroe		x	x	x			B	x		
S. Fk. Salt R.	C	[32.0] 40.1	[Audrain Co. Line] 29,53N,8W	[5,49N,4W] 5,49N,8W	[Audrain] Monroe	Callaway		x	x			B	x		
[S. Fk. Spring Cr.] S. Fk. Bratten Spring Cr.	C	[1.0] 1.8	Mouth	19,22N,14W	Ozark			x	x			B			
S. Fk. Spring R.	P	[4.0] 4.2	State Line	[35,22N,8W] 26,22N,8W	Howell			x	x			B			
S. Fk. Spring R.	C	11.0	[35,22N,8W] 26,22N,8W	32,23N,8W	Howell			x	x			B			
S. Fk. Turkey Cr.	C	4.5	21,35N,25W	34,35N,25W	Cedar			x	x			A			
S. Fk. Weaubleau Cr.	C	[5.0] 7.3	Mouth	20,36N,24W	St. Clair			x	x			A			
S. Flat Cr.	C	0.9	27,43N,22W	27,43N,22W	Benton			x	x			B			
S. Flat Cr.	P	[7.1] 8.2	Mouth	27,43N,22W	Pettis	Benton		x	x			B			
S. Grand R.	P	[62.5] 66.8	Mouth	02,44N,33W	Henry	Cass		x	x			B	x		
S. Indian Cr.	P	[9.0] 8.7	[24,24N,31W] Mouth	1,23N,30W	Newton	McDonald		x	x		x	B			
S. Moreau Cr.	P	[20.5] 21.1	1,43N,13W	29,43N,14W	Cole	[Miller]		x	x			A	x		

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S. Moreau Cr.	C	[9.0] 10.2	29,43N,14W	7,42N,15W	[Moniteau] Cole	Miller		x	x			A	x		
S. Moreau Cr.	C	6.5	7,42N,15W	[31,42N,15W] 36,42N,15W	Miller			x	x			B			
S. Mud Cr.	C	[3.0] 3.8	Mouth	2,54N,27W	Ray			x	x			B			
S. Prong Beaverdam Cr.	C	[6.5] 7.2	[5,24N,4E] Mouth	27,25N,3E	Ripley			x	x			B			
S. Prong Jacks Fk.	P	[6.0] 7.0	[29,28N,7W] Mouth	21,28N,8W	Texas			x	x			B			
S. Prong Jacks Fk.	C	[4.0] 4.5	21,28N,8W	14,28N,9W	Texas			x	x			B			
S. Prong L. Black R.	P	5.5	[9,24N,3E] Mouth	Hwy. 21	Ripley			x	x			B			
S. Prong L. Black R.	C	6.0	Hwy. 21	33,25N,2E	Ripley			x	x			B			
[S. Rock Cr.] S. Rock Br.	C	[3.0] 3.2	Mouth	14,35N,3W	Crawford			x	x			B			
S. Spencer Cr.	C	[8.0] 9.3	Mouth	6,53N,4W	Ralls	Pike		x	x			B			
S. Spring Cr.	P	[5.0] 4.0	Mouth	23,25N,16W	Douglas			x	x			B			
S. Wyaconda R.	P	[9.0] 9.7	26,65N,9W	4,65N,10W	Clark	Scotland		x	x			B		x	
S. Wyaconda R.	C	17.5	4,65N,10W	32,67N,12W	Scotland			x	x			B			
Sac R.	P	[40.0] 48.8	[23,37N,26W] Mouth	Stockton Lake Dam	St. Clair	Cedar		x	x	x		A	x		
Sac R.	P	[32.5] 35.0	1,31N,26W	15,29N,24W	Dade	Greene		x	x	x		A	x		
Sac R.	C	[3.0] 3.5	15,29N,24W	19,29N,23W	Greene			x	x			B			
Sadler Br.	C	0.8	Mouth	17,35N,24W	Polk			x	x			B			
Salem Cr.	C	2.0	Mouth	26,37N,5E	St. Francois			x	x			B			
Salem Springs Cr.	C	1.0	Mouth	11,32N,17W	Laclede			x	x			B			
Saline Cr.	P	[12.0] 13.8	Mouth	[Hwy. 54] 10,41N,15W	Miller			x	x			A	x		
Saline Cr.	P	[10.5] 11.0	Mouth	13,36N,9E	[Perry] Ste. Genevieve	Perry		x	x			A			
Saline Cr.	P	[12.0] 15.0	13,36N,9E	16,35N,8E	Ste. Genevieve			x	x	x		A			
Saline Cr.	C	[3.0] 4.0	16,35N,8E	11,35N,7E	Ste. Genevieve			x	x			B			
Saline Cr.	P	[4.0] 4.3	Mouth	32,35N,3E	Iron			x	x			B			
[Saline Cr.] Bellevue Cr.	C	[1.0] 1.5	32,35N,3E	[Hwy. 21] Sur 2113,35N,3E	Iron			x	x			B			
Saline Cr.	P	[1.0] 1.8	Mouth	Sur 3011,43N,5E	Jefferson			x	x			B			
Saline Cr.	C	[3.0] 2.3	Sur 3011, 43N,5E	[Sur 3011,43N,5E] Sur 1331,43N,5E	Jefferson			x	x			B	x		
Saline Cr.	P	[5.5] 5.8	Mouth	12,33N,7E	Madison			x	x			B			
Saline Cr.	C	[0.5] 1.1	12,33N,7E	7,33N,7E	Madison			x	x			B			
Salley Br.	C	0.1	Mouth	27,39N,22W	Benton			x	x			B			
Sals Cr.	C	1.5	Mouth	14,29N,13E	Scott			x	x			B			
Sals Cr. Div. Chan.	C	[2.5] 2.7	Mouth	3,29N,13E	Scott			x	x			B			
Salt Br.	C	[4.0] 5.7	Mouth	35,53N,21W	Saline			x	x			B			
Salt Br.	C	[7.0] 7.2	Mouth	20,50N,22W	Saline			x	x			B			
Salt Cr.	C	[3.0] 5.0	Mouth	[17,38N,26W] 9,38N,26W	St. Clair			x	x			B			
Salt Cr.	C	[14.0] 14.9	Mouth	25,55N,20W	Chariton			x	x			B			

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Salt Cr.	P1	3.0	Mouth	33,49N,15W	Howard			x	x			B			
Salt Cr.	C	10.0	33,49N,15W	31,50N,15W	Howard			x	x			B			
Salt Cr.	P	[2.0] 3.1	Mouth	[Sur 3328,49N,17W] 6,49N,17W	Howard			x	x			B			
Salt Fk.	C	[5.0] 7.2	Mouth	2,51N,15W	Howard			x	x			B			
Salt Fk.	P	[25.0] 26.7	Mouth	[Hwy. 65] 28,51N,22W	Saline			x	x			B	x		
Salt Fk.	C	[19.0] 18.6	[Hwy. 65] 28,51N,22W	[Hwy. 20] 29,50N,24W	Saline	Lafayette		x	x			B			
Salt Pond Cr.	P	[3.0] 3.6	Mouth	25,49N,23W	Saline			x	x			B			
Salt Pond Cr.	C	[3.0] 2.4	25,49N,23W	14,49N,23W	Saline			x	x			B			
Salt R.	P1	[10.0] 9.3	Re-Reg Dam	Cannon Dam	Ralls		x	x	x			A	x	x	
Salt R.	P	29.0	Hwy. 79	Re-Reg Dam	Pike	Ralls	x	x	x			A	x	x	
Salt R.	P1	15.0	Mouth	Hwy. 79	Pike		x	x	x			A	x		
Sampson Cr.	P	[13.0] 13.5	Mouth	19,62N,29W	Daviess	Harrison		x	x			B			
Sampson Cr.	C	[5.0] 5.6	19,62N,29W	1,62N,30W	Gentry			x	x			B			
Sand Cr.	C	15.0	Mouth	12,43N,26W	Henry			x	x			B			
Sand Cr.	C	[4.0] 4.9	Mouth	11,64N,37W	Nodaway			x	x			B			
Sand Cr.	C	1.8	Mouth	34,36N,06E	St. Francois			x	x			B			
Sand Cr.	P	[1.3] 1.6	Mouth	18,42N,4E	Jefferson			x	x			B			
Sand Cr.	C	[2.0] 2.4	Mouth	36,65N,16W	Schuyler			x	x			B			
Sand Hollow	C	0.3	Mouth	24,31N,10W	Texas			x	x						
Sand Run	C	2.0	Mouth	24,48N,1W	Lincoln			x	x			B			
Sandy Cr.	C	[5.5] 7.0	Mouth	[33,52N,2W] 27,52N,2W	Lincoln	Pike		x	x			B			
Sandy Cr.	C	[6.0] 7.5	Mouth	Sur 1987,41N,5E	Jefferson			x	x			B			
Sandy Cr.	C	[1.0] 1.3	[36,35N,10E] Mouth	1,34N,10E	Perry			x	x			B			
Sandy Cr.	P	[2.0] 2.4	Mouth	11,33N,11E	Cape Girardeau			x	x			B			
Sandy Cr.	C	0.5	11,33N,11E	3,33N,11E	Cape Girardeau			x	x			B			
Sandy Cr.	C	6.0	Mouth	23,51N,5W	Montgomery	Audrain		x	x			B			
Sandy Cr.	C	[8.0] 13.8	Mouth	25,50N,1E	Lincoln			x	x			B			
Sandy Cr.	C	[10.0] 11.6	Mouth	15,65N,25W	Harrison	Mercer		x	x			B			
Sandy Cr.	C	3.0	Mouth	19,66N,17W	Putnam			x	x			B			
Sanford Cr.	C	1.0	Mouth	4,43N,10W	Cole			x	x			B			
Sara Br.	C	[3.0] 2.5	Mouth	01,32N,18W	Webster			x	x			B			
Sardine Cr.	C	[1.5] 1.8	Mouth	2,29N,25W	Lawrence			x	x			B			
Sawmill Hollow	C	[2.0] 2.6	Mouth	17,24N,11W	Ozark			x	x			B			
Sawyer Cr.	P	[5.0] 5.5	Mouth	[12,28N,20W] 1,28N,20W	Greene			x	x			B			
Schawanee Spr. Br.	C	[2.0] 2.8	Mouth	5,34N,11E	Perry			x	x			B			
School Hollow Cr.	P	[1.0] 1.3	Mouth	[07,41N,09W] 08,41N,09W	Osage			x	x			B			
Schoolhouse Hollow	C	0.3	Mouth	19,31N,09W	Texas			x	x			B			
[Schuler Cr.] Schulte Cr.	P	[0.2] 0.5	Mouth	[Hwy 50] 8,43N,5W	Gasconade			x	x			B			
[Schuler Cr.] Shuyler Cr.	P	[3.2] 3.6	[26,28N,23W] Mouth	28,28N,23W	Greene			x	x			B			
[Schulte Cr.] Schultz Cr.	C	5.0	Mouth	10,32N,21W	Polk			x	x			B			

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Scott Br.	C	1.5	Mouth	21,37N,2W	Crawford			x	x			B			
Scott Br.	C	[1.0] 1.2	Mouth	5,37N,1E	Washington			x	x			B			
Scott Br.	C	0.5	Mouth	5,44N,15W	Moniteau			x	x			[B]			
Second Cr.	P	[6.5] 8.0	Mouth	12,43N,6W	Gasconade			x	x			B			
Second Cr.	C	6.5	12,43N,6W	Hwy. 19	Gasconade			x	x			B			
Second Cr.	C	[8.0] 11.5	Mouth	29,52N,33W	Clay	Platte		x	x			B			
Second Nicolson Cr.	P	[6.0] 4.5	[21,33N,33W] 4,32N,33W	18,32N,33W	Barton			x	x			B			
Sees Cr.	P	1.0	Mouth	[10,57N,7W] 15,57N,7W	Marion			x	x			B			
Sees Cr.	C	[2.0] 2.2	[10,57N,7W] 15,57N,7W	22,57N,7W	Marion			x	x			B			
[Self Br.] Selph Br.	P	1.0	Mouth	[15,31N,20W] 23,31N,20W	Greene			x	x			B			
Sellers Cr.	C	3.5	[20,37N,14W] Mouth	6,36N,14W	Camden			x	x			A	x		
Sellers Hollow	C	[5.0] 5.3	Mouth	7,37N,15W	Camden			x	x			B			
Selvage Hollow	C	[1.5] 2.4	Mouth	21,33N,16W	Laclede			x	x			B			
Sewer Br.	C	1.0	Mouth	16,46N,21W	Pettis			x	x			B			
Shackelford Br.	C	[4.0] 5.9	Mouth	21,52N,29W	Ray			x	x			B			
Shady Cr.	C	[6.0] 9.4	Mouth	[Audrain Co. Line] 5,52N,5W	Pike			x	x			B			
Shain Cr.	C	[12.0] 13.0	Mouth	Hwy. 46	Harrison			x	x			B			
[Shankton Cr.] W. Fk. Medicine Cr.	C	[4.0] 5.5	Mouth	35,67N,22W	Putnam			x	x			B			
Sharpsburg Br.	C	1.5	[21,57N,8W] Mouth	28,57N,8W	Marion			x	x			B			
Shaver Cr.	P	[14.4] 15.1	Mouth	06,45N,20W	Pettis			x	x			B			
Shaw Br.	C	[2.0] 1.2	Mouth	[20,36N,5E] Sur 3272,36N,5E	St. Francois			x	x			B			
Shawnee Cr.	P	[3.0] 3.2	Mouth	8,33N,13E	Cape Girardeau			x	x			B			
Shawnee Cr.	P	2.0	Mouth	30,29N,3W	Shannon			x	x			B			
Shawnee Cr.	C	[10.3] 6.5	30,29N,03W	19,28N,03W	Shannon			x	x			B			
Shawnee Cr.	P	4.5	Mouth	9,45N,7W	[Osage] Gasconade	Osage		x	x			B			
Shawnee Cr.	C	1.5	9,45N,7W	16,45N,7W	Osage			x	x			B			
Shays Cr.	C	[2.0] 1.7	Mouth	33,34N,7E	Madison			x	x			B			
Sheep Cr.	C	1.0	Mouth	1,56N,29W	Caldwell			x	x			[B]			
Shell Br.	C	[2.5] 5.3	Mouth	[Hwy. 107] 7,55N,8W	Monroe			x	x			B			
Shetley Cr.	P	4.0	Mouth	12,31N,7E	Madison			x	x			B			
Shetley Cr.	C	[3.0] 2.7	12,31N,7E	2,31N,7E	Madison			x	x			B			
[Shibboleth Cr.] Shibboleth Br.	P	1.0	Mouth	14,38N,3E	Washington			x	x			B			
[Shibboleth Cr.] Shibboleth Br.	C	3.0	14,38N,3E	21,38N,3E	Washington			x	x			B			
Shipley Slough	C	2.5	35,19N,9E	24,19N,9E	Dunklin			x	x			B			
Shoal Cr.	P	[7.5] 7.7	Mouth	27,36N,2W	Crawford			x	x			A			
Shoal Cr.	C	3.0	27,36N,2W	10,35N,2W	Crawford			x	x			B			
[Shoal Cr.]	C	[2.0] 1.7	13,36N,2W	24,36N,2W	Crawford			x	x			B			

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L. Shoal Cr.															
Shoal Cr.	C	[2.0] 3.1	Mouth	[32,22N,17W] 31,22N,17W	Taney			x	x			A	x		
Shoal Cr.	P	[43.5] 41.1	State Line	[10,25N,29W] 27,26N,30W	Newton		x	x	x	x		A	x	x	x
Shoal Cr.	P	[0.5] 9.3	[10,25N,29W] 27,26N,30W	[Capps Cr.] 9,25N,29W	Newton		x	x	x		x	A	x		
Shoal Cr.	P	[13.5] 15.7	[Capps Cr.] 9,25N,29W	12,23N,29W	Newton	Barry	x	x	x	x		A	x		
Shoal Cr.	C	[4.0] 5.0	12,23N,29W	[Hwy. 86] 32,23N,28W	Barry			x	x			B			
Shoal Cr.	P	[9.0] 10.3	Mouth	[Hwy. 69] 27,51N,32W	Clay			x	x			B			
Shoal Cr.	C	[6.0] 10.6	[Hwy. 69] 27,51N,32W	[Hwy. 152] 2,51N,33W	Clay			x	x			B			
Shoal Cr.	P	[55.0] 54.6	Mouth	25,56N,28W	Livingston	Caldwell	x	x				A	x	x	
Shoal Cr.	C	[33.0] 34.0	25,56N,28W	5,55N,30W	Caldwell	Clinton	x	x				B	x		
Shoal Cr.	C	[14.5] 17.4	Mouth	5,66N,17W	Putnam			x	x			B			
Shoal Cr. Ditch	C	[10.0] 9.8	27,57N,24W	28,56N,25W	Livingston			x	x			B			
Shootman Cr.	C	1.5	Mouth	6,53N,22W	Carroll			x	x			B			
Short Cr.	P	2.9	Mouth	30,22N,21W	Taney			x	x			B			
Short Cr.	C	0.9	30,22N,21W	[36,22N,21W] 36,22N,22W	Taney			x	x			B			
[Shrawn Cr.] Shrum Cr.	P	[1.5] 1.7	Mouth	6,33N,10E	Bollinger			x	x			B			
[Shrawn Cr.] Shrum Cr.	C	1.0	6,33N,10E	County Line	Bollinger			x	x			B			
Shuld Br.	C	2.0	Mouth	[26,28N,09W] 23,28N,9W	Texas			x	x			B			
Shuteye Cr.	C	[3.0] 4.5	Mouth	31,64N,16W	Adair			x	x			B			
[Shutin Cr.] Shut-in Cr.	P	[2.0] 1.8	Mouth	6,33N,2E	Reynolds			x	x			B			
[Shutin Cr.] Shut-in Cr.	C	[3.0] 3.3	6,33N,2E	20,34N,2E	Iron			x	x			B			
Silver Cr.	P	[2.5] 1.9	Mouth	25,27N,33W	Newton			x	x			B			
Silver Cr.	C	[1.6] 1.8	Mouth	01,23N,21W	Taney			x	x			B			
Silver Cr.	C	[11.0] 8.4	Mouth	34,53N,15W	Chariton	Randolph		x	x			B			
Silver Fk.	C	[16.5] 30.0	Mouth	33,51N,11W	Boone			x	x			A			
Silver Lake Br.	C	[1.5] 2.0	Mouth	13,26N,23W	Stone			x	x			B			
Simms Cr.	C	[2.0] 2.6	Mouth	15,37N,27W	St. Clair			x	x			B			
Simpson Br.	C	2.0	Mouth	6,38N,2E	Washington			x	x			B			
Sims Br.	C	[1.0] 1.3	Mouth	[23,31N,22W] 26,31N,22W	Greene			x	x			B			
Sinking Cr.	C	2.0	10,30N,26W	12,30N,26W	Dade			x	x			B			
Sinking Cr.	P	[1.0] 2.3	Mouth	10,30N,26W	Dade			x	x			B			
Sinking Cr.	P	[5.0] 5.2	12,30N,26W	16,30N,25W	Dade			x	x			B			
Sinking Cr.	P	[21.0] 24.0	Mouth	8,32N,3W	Shannon	Dent		x	x	x		A			
Sinking Cr.	P	[18.5] 19.9	Mouth	19,31N,1E	Reynolds			x	x			B			
Skinner Cr.	C	[0.8] 1.3	Mouth	09,42N,03W	Franklin			x	x			B			
Skull Cr.	C	0.5	Mouth	10,47N,19W	Cooper			x	x			B			
Skullbones Cr.	C	1.1	Mouth	35,42N,03E	Jefferson			x	x			B			

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Slabtown Br.	C	[3.3] 3.7	Mouth	23,33N,10W	Texas			x	x			B			
Slagle Cr.	P	[7.0] 8.2	Mouth	17,32N,22W	Polk			x	x			B			
Slagle Cr.	P	[2.0] 2.2	Mouth	18,28N,9E	Bollinger			x	x			B			
Slater Br.	C	2.0	Mouth	Sur 1852,33N,6E	Madison			x	x			B			
Slater Br.	C	[3.0] 3.7	Mouth	34,30N,32W	Jasper			x	x			B			
[Slaughter Br.] Brushy Cr.	C	3.0	Mouth	4,43N,2W	Franklin			x	x			B	x		
Smiley Cr.	C	3.0	Mouth	36,46N,17W	Cooper			x	x			B			
Smith Br.	C	0.5	Mouth	16,47N,9W	Callaway			x	x			B			
[Smith Cr.] Smith Br.	C	[7.0] 3.6	Mouth	18,48N,5W	Montgomery			x	x			B			
Smith Cr.	C	1.5	Mouth	26,47N,11W	Callaway			x	x			B			
Smith Cr.	C	[10.5] 12.0	Mouth	2,43N,17W	Moniteau	Morgan		x	x			A			
Smith Fk.	C	[2.0] 3.0	Mouth	15,56N,31W	Clinton			x	x			B			
Smith Hollow	C	1.0	Mouth	[30,23N,11W] 31,23N,11W	Ozark			x	x			B			
Smith Hollow Cr.	P	1.1	Mouth	26,37N,10W	Phelps			x	x			B			
Smith Hollow Cr.	C	[1.7] 1.9	[26,37N,10W] Mouth	36,37N,10W	Phelps			x	x			B			
[Snag Cr.] Snag Br.	C	[1.5] 2.4	Mouth	21,34N,27W	Cedar			x	x			B			
Snapps Br.	C	1.5	Mouth	[11,36N,1W] 2,36N,1W	Washington			x	x			B			
Sni-a-bar Cr.	C	[2.0] 4.3	30,48N,29W	5,47N,29W	Jackson			x	x			B			
Sni-a-bar Cr.	P	[32.0] 36.6	Mouth	30,48N,29W	Lafayette	Jackson		x	x			B	x		
[Snowden Cr.] Snowden Br.	C	2.0	Mouth	1,32N,7E	Madison			x	x			B			
Soap Cr.	P	1.0	Mouth	32,41N,17W	Morgan			x	x			B			
Soap Cr.	P	0.8	Mouth	19,42N,04W	Gasconade			x	x			B			
Soap Cr.	C	[4.1] 4.5	19,42N,04W	11,42N,05W	Gasconade			x	x			B	x		
Sons Cr.	P	[3.0] 1.5	Mouth	27,32N,27W	Dade			x	x			B			
Sons Cr.	C	[9.0] 10.8	27,32N,27W	31,31N,27W	Dade			x	x			B			
South Cr.	P	3.8	[07,28N,22W] Mouth	34,29N,22W	Greene			x	x			B			
[South Dry Sac. Cr.]	[C]	[2.0]	[5,29N,20W]	[3,29N,20W]	[Greene]			[x]	[x]			[B]			
[South Dry Sac. R.]	[P]	[1.5]	[Mouth]	[36,30N,22W]	[Greene]			[x]	[x]			[B]			
South Fk.	C	4.5	Mouth	25,24N,15W	Ozark			x	x			B			
[South Fk.] South Fk. Blackwater R.	C	[14.0] 17.1	Mouth	08,46N,23W	Saline	Pettis		x	x			B			
South R.	P1	[2.0] 2.6	Mouth	16,58N,5W	Marion			x	x			B			
South R.	C	[15.0] 16.3	16,58N,5W	[Hwy. 36] 33,57N,6W	Marion			x	x			B			
Sparrow Foot Cr.	C	[2.0] 2.6	Mouth	15,41N,25W	Henry			x	x			B			
Spence Cr.	C	[3.0] 3.6	1,28N,15W	19,28N,15W	Wright			x	x			B			
Spencer Cr.	C	[2.0] 2.3	Mouth	14,37N,17W	Camden			x	x			B			
Spencer Cr.	C	1.5	Mouth	[Sur 735,47N,4E] Sur 1786,47N,4E	St. Charles			x	x						

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Spencer Cr.	P	11.0	Mouth	[Sur 3177(31), 55N,4W] 31,55N,4W	Ralls			x	x			B			
Spencer Cr.	C	[18.0] 24.0	[Sur 3177(31), 55N,4W] 31,55N,4W	23,53N,6W	Ralls			x	x			B			
Spillway Ditch	P	[13.5] 24.7	[29,23N,15E] 28,23N,15E	33,25N,16E	New Madrid	Mississippi		x	x			A			
Spillway Ditch	C	8.7	5,24N,16E	25,26N,16E	Mississippi			x	x			B			
Splice Cr.	P	[2.0] 3.6	Mouth	7,47N,14W	Moniteau			x	x			A	x		
Splice Cr.	C	2.5	7,47N,14W	11,47N,15W	Moniteau			x	x			B			
Spring Alec Hollow	P	1.5	Mouth	29,30N,2W	Shannon			x	x			B			
Spring Alec Hollow	C	[1.0] 1.3	29,30N,2W	21,30N,2W	Shannon			x	x			B			
Spring Br.	P	1.0	Mouth	19,41N,17W	Morgan			x	x		x	B			
Spring Br.	P	[1.5] 1.9	Mouth	4,29N,22W	Greene			x	x			B			
[Spring Br.] Spring Cr.	P	[4.8] 18.0	Mouth	[02,34N,06W] 19,34N,05W	Dent			x	x			B	x		
[Spring Br.]	[P]	[7.4]	[02,34N,06W]	[Hwy. 32]	[Dent]			[x]	[x]						
Spring Cr.	P	[6.0] 5.8	Mouth	8,34N,24W	Cedar	Polk		x	x			B			
Spring Cr.	P	[5.0] 5.4	Mouth	17,39N,8W	Maries			x	x			B			
Spring Cr.	P	[6.5] 7.4	Mouth	31,35N,9W	Phelps		x	x	x		x	A	x		
Spring Cr.	P	[11.5] 16.0	31,35N,9W	16,33N,9W	Phelps	Texas		x	x			B			
Spring Cr.	C	[3.5] 3.7	16,33N,9W	26,33N,9W	Texas			x	x			[B]	x		
Spring Cr.	P	[2.5] 2.7	Mouth	4,41N,2W	Franklin			x	x		x	B			
Spring Cr.	C	[4.5] 5.1	4,41N,2W	17,41N,2W	Franklin			x	x			B	x		
Spring Cr.	P	[5.5] 6.5	Mouth	12,26N,24W	Stone			x	x		x	B			
Spring Cr.	P	[5.0] 5.2	Mouth	14,23N,11W	Ozark			x	x			B	x		
Spring Cr.	P	7.5	14,23N,11W	17,23N,10W	Ozark	Howell		x	x			A	x		x
Spring Cr.	C	[8.0] 8.9	17,23N,10W	6,23N,9W	Howell			x	x			B			
Spring Cr.	P	[16.0] 19.2	Mouth	23,26N,10W	Douglas	Howell		x	x			B	x		
[Spring Cr.] N. Fk. Spring Cr.	C	[2.0] 2.5	23,26N,10W	[12,26N,10W] 7,26N,10W	Howell			x	x			B			
Spring Cr.	P	6.0	Mouth	06,24N,13W	Douglas	Ozark		x	x		x	B	x		
Spring Cr.	C	[5.0] 5.3	6,24N,13W	[8,24N,13W] 8,24N,14W	Ozark			x	x			B			
Spring Cr.	C	1.0	Mouth	30,23N,8W	Howell			x	x			B			
Spring Cr.	P	[6.0] 8.5	Mouth	24,25N,5W	Oregon			x	x			B			
Spring Cr.	C	[6.0] 5.8	24,25N,5W	3,25N,5W	Oregon			x	x			B			
[Spring Cr.] Spring Cr. Ditch	C	[4.0] 4.4	27,25N,9E	10,25N,9E	Stoddard			x	x			B			
Spring Cr.	C	4.0	Mouth	28,49N,01W	Lincoln			x	x			B			
Spring Cr.	P	[18.0] 18.7	Mouth	26,64N,18W	Adair	Sullivan	x	x	x			A			
Spring Cr.	C	5.0	26,64N,18W	[Hwy. 129] 19,64N,18W	Sullivan			x	x			B	x		
Spring Cr.	P	1.0	Mouth	18,25N,16W	Douglas			x	x			B			
Spring Fk.	C	6.3	16,44N,21W	01,43N,21W	Pettis	Benton		x	x			B			
Spring Fk.	P	[4.7] 5.4	Mouth	16,44N,21W	Pettis			x	x			B			
Spring Hollow	C	[10.0] 11.4	[Bennett Sprg.] Bennett Springs	27,34N,17W	Laclede			x	x		x	B			
Spring R.	P	0.5	22,28N,34W	15,28N,34W	Jasper			x	x	x	x	A	x		x

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Spring R.	P	[58.5] 61.7	State Line	20,28N,27W	Jasper	Lawrence	x	x	x	x		A	x		x
Spring R.	P	[9.5] 8.8	20,28N,27W	13,27N,27W	Lawrence		x	x	x		x	A	x		x
Spring R.	P	[10.0] 11.9	13,27N,27W	28,26N,26W	Lawrence			x	x			A	x		
Spring R.	C	1.0	28,26N,26W	27,26N,26W	Lawrence			x	x			B			
Spring Valley Cr.	P	[7.5] 10.8	Mouth	35,30N,5W	Shannon			x	x			B			
Spring Valley Cr.	C	10.0	35,30N,5W	6,29N,5W	Shannon			x	x			B			
Spurlock Hollow	C	2.7	Mouth	15,30N,11W	Texas			x	x			B			
Squaw Cr.	P	21.0	[11,60N,39W] 36,60N,39W	33,64N,38W	Holt	Atchison		x	x			B			
[St James Bayou] James Bayou	C	[6.0] 5.8	2,24N,16E	2,25N,16E	Mississippi			x	x			B			
St. Francis R.	P	[86.0] 93.1	[Sur 727, 28N, 5E] 13,28N, 5E	16,35N,4E	Wayne	St. Francois	x	x	x	x		A	x		
St. Francis R.	C	[3.0] 3.8	16,35N,4E	Ozark Ore Lake Dam	St. Francois			x	x			B			
St. Francis R.	P	[128.0] 104.0	State Line	Wappapello Dam	Dunklin	Wayne	x	x	x			A		x	
St. James Ditch	C	[3.0] 2.1	11,23N,15E	1,23N,15E	New Madrid			x	x			B			
St. Johns Bayou	P	[4.0] 4.7	Mouth	[29,23N,15E] 28,23N,15E	New Madrid			x	x			B			
St. Johns Cr.	P	[15.0] 21.0	Mouth	12,43N,2W	Franklin			x	x			B			
St. Johns Cr.	C	[8.0] 9.0	12,43N,2W	19,43N,2W	Franklin			x	x			B			
St. Johns Ditch	P	[35.0] 15.3	[29,23N,15E] Mouth	[25,28N,13E] 16,25N,14E	New Madrid	[Scott]		x	x			B		x	
St. Johns Ditch	C	[4.0] 4.7	[25,28N,13E] 36,28N,13E	Sur 1014,28N,14E	Scott		x	x	x			A			
St. Johns Ditch	P	18.7	16,25N,14E	36,28N,13E	New Madrid	Scott		x	x					x	
St. Johns Div. Ditch	C	5.0	11,23N,15E	[16,23N,16E] 9,23N,16E	New Madrid			x	x			B			
St. Johns Div. Ditch	C	[3.5] 4.3	4,23N,16E	12,23N,16E	Mississippi			x	x			B			
Stahl Cr.	P	[6.5] 7.3	Mouth	25,29N,27W	Lawrence			x	x			B			
Stanley Cr.	P	[2.0] 3.1	Mouth	18,27N,8E	Wayne			x	x			B			
[Stanley Cr.] Johns Br.	C	[2.0] 2.9	18,27N,8E	11,27N,7E	Wayne			x	x			B			
Starks Cr.	P	[11.5] 10.3	Mouth	12,37N,21W	Hickory			x	x	x		B			
Starks Cr.	C	[3.0] 7.0	12,37N,21W	31,37N,20W	Hickory			x	x	x		B			
Starvey Cr.	C	3.0	Mouth	15,32N,18W	Dallas			x	x			B			
Stater Cr.	P	[2.0] 2.4	Mouth	27,40N,2W	Crawford			x	x			B			
Stater Cr.	C	[1.5] 2.3	27,40N,2W	29,40N,2W	Crawford			x	x			B			
Steins Cr.	C	[16.0] 16.6	25,33N,15W	33,31N,15W	Laclede	Wright		x	x			B			
Sterett Cr.	C	[1.5] 1.2	Mouth	21,41N,22W	Benton	[Wright]		x	x			B			
Steuber Hollow Cr.	P	0.6	Mouth	13,41N,09W	Osage			x	x			B			
[Stevens Br.] Stephens Br.	C	[8.0] 8.8	Mouth	29,47N,17W	Cooper			x	x			B			
Stevenson Bayou	C	[14.0] 6.4	[33,25N,16E] 25,26N,16E	31,27N,17E	Mississippi			x	x			B			
Stewart Cr.	P	1.0	Mouth	12,27N,19W	Christian			x	x			B			
Stewart Cr.	C	3.0	12,27N,19W	17,27N,18W	Christian			x	x			B			
Stick Br.	C	[0.2] 0.4	Mouth	21,36N,21W	Hickory			x	x			B			

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Stillcamp Ditch	C	[12.0] 12.3	Mouth	35,24N,6E	Butler		x	x	x			B			
Stillhouse Br.	C	2.0	Mouth	26,62N,31W	Gentry			x	x			B			
[Stinking Claude Cr.] Stinking Cr.	C	[1.0] 1.4	Mouth	22,35N,22W	Polk			x	x			B			
Stinking Cr.	C	[4.0] 4.7	Mouth	5,34N,28W	Cedar			x	x			B			
Stinking Cr.	C	[13.0] 15.8	24,56N,16W	[13,58N,16W] Mouth	Macon			x	x			B			
Stinson Cr.	C	[9.0] 11.9	Mouth	16,47N,9W	Callaway			x	x			B			
Stoak Cr.	C	[2.0] 2.3	Mouth	14,45N,26W	Johnson			x	x			B			
Stockton Br.	C	[5.0] 3.6	Mouth	4,34N,26W	Cedar			x	x			B			
Stone Hill Br.	C	[2.0] 2.3	Mouth	[Hwy. 72] 35,34N,4W	Dent			x	x			B			
Stone Hill Br.	P	[2.0] 2.2	[Hwy. 72] 35,34N,4W	31,34N,3W	Dent			x	x			B			
[Stories Cr.] Storys Cr.	C	[2.5] 2.7	Mouth	16,29N,4W	Shannon			x	x			B			
Stouts Cr.	P	[9.0] 7.3	Mouth	[33,24N,4E] 33,34N,4E	Madison	Iron	x	x	x	x		B	x		
Stouts Cr.	P	[3.0] 4.0	33,34N,4E	1,33N,3E	Iron			x	x			B	x		
Stouts Cr.	C	[0.5] 1.1	1,33N,3E	2,33N,3E	Iron			x	x			B			
Straight Fk.	P	12.0	4,44N,16W	6,43N,17W	Moniteau	Morgan		x	x			A			
Straight Fk.	C	6.0	6,43N,17W	36,43N,18W	Morgan			x	x			B			
Stream Mill Hollow	P	3.0	Mouth	27,32N,10W	Texas			x	x			B			
Stream Mill Hollow	C	2.0	27,32N,10W	28,32N,10W	Texas			x	x						
String Cr.	C	2.0	Mouth	20,45N,14W	Moniteau			x	x			B			
Stringtown Br.	C	1.5	Mouth	12,36N,1W	Washington			x	x			B			
Strobel Br.	P	[1.0] 0.7	Mouth	[12,44N,14W] 1,44N,14W	Cole			x	x			B			
Strobel Br.	C	[1.5] 2.0	12,44N,14W	35,45N,14W	Cole			x	x			B			
Strobel Br.	C	[2.0] 2.4	Mouth	24,44N,14W	Cole			x	x			B			
Strother Cr.	P	[7.0] 6.0	Mouth	33,34N,1W	Reynolds	Iron		x	x	x		B			
Sugar Br.	P	[2.0] 2.3	Mouth	12,48N,14W	Boone			x	x			B			
Sugar Br.	C	[2.0] 3.0	12,48N,14W	[1-70] 3,48N,14W	Boone			x	x			B			
[Sugar Camp Hollow] Sugarcamp Hollow	C	2.5	Mouth	17,23N,26W	Barry			x	x						
Sugar Cr.	C	[2.0] 1.6	Mouth	17,51N,13W	Boone			x	x			B			
Sugar Cr.	P	[8.8] 9.5	Mouth	23,41N,11W	Miller	Maries			x	x		B			
Sugar Cr.	C	[15.1] 13.8	Mouth	33,44N,30W	Cass			x	x			B			
Sugar Cr.	C	11.0	Mouth	Sur 1683,50N,1E	Lincoln			x	x			B			
Sugar Cr.	C	[4.0] 3.8	Mouth	33,45N,6W	Gasconade			x	x			B			
Sugar Cr.	C	[4.0] 5.5	Mouth	20,43N,5E	Jefferson			x	x			B			
Sugar Cr.	P	3.0	Mouth	2,54N,37W	Platte			x	x			B			
Sugar Cr.	C	6.5	2,54N,37W	28,55N,36W	Platte	Buchanan		x	x			B			
[Sugar Cr.]	[P]	[5.5]	[Mouth]	[9,41N,11W]	[Miller]	[Osage]	[x]	[x]				[A]			
Sugar Cr.	P1	[3.5] 3.8	Mouth	[17,64N,6W] 18,64N,6W	Clark			x	x			B			
Sugar Cr.	C	[10.0] 10.2	[17,64N,6W] 18,64N,6W	29,65N,7W	Clark			x	x			B			
Sugar Cr.	C	[7.0] 12.0	Mouth	15,62N,7W	Lewis			x	x			B	x		

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Sugar Cr.	P	8.0	Mouth	22,62N,26W	Grundy	Harrison		x	x				B		
Sugar Cr.	C	[10.0] 12.0	22,62N,26W	35,63N,27W	Harrison			x	x				B		
Sugar Cr.	C	[4.0] 6.3	Mouth	18,61N,15W	Adair			x	x				B		
Sugar Cr.	P	[5.0] 6.8	Mouth	Sugar Cr. Lake Dam	Randolph			x	x				B		
Sugar Cr.	C	1.5	Mouth	36,55N,3W	Pike			x	x				B		
Sugar Fk.	P	1.0	[8,23N,33W] Mouth	5,23N,33W	McDonald			x	x				B		
Sugar Tree Br.	C	[3.0] 3.5	Mouth	34,52N,15W	Howard			x	x				B		
Sulphur Cr.	P	[1.5] 2.1	Mouth	15,51N,2W	Lincoln			x	x				B		
Sulphur Cr.	C	[7.5] 9.3	15,51N,2W	19,52N,2W	Lincoln	Pike		x	x				B		
Sulphur Cr.	C	[1.5] 1.8	Mouth	9,31N,4E	Iron			x	x				B		
Sulphur Cr.	P	[4.0] 5.5	Mouth	30,49N,16W	Howard			x	x				B		
Sulphur Cr.	C	[6.0] 7.0	30,49N,16W	26,50N,17W	Howard			x	x				B		
Summers Cr.	C	1.0	Mouth	19,32N,9E	Bollinger			x	x				B		
Surratt Cr.	C	[1.0] 1.2	Mouth	26,25N,19W	Christian			x	x				B		
[Sutton Br.] Sitton Br.	P	[0.5] 0.8	Mouth	12,50N,2W	Lincoln			x	x				B		
[Sutton Br.] Sitton Br.	C	[2.5] 2.8	12,50N,2W	10,50N,2W	Lincoln			x	x				B		
Sutton Br.	P	0.5	Mouth	35,32N,2E	Reynolds			x	x				B		
Sutton Hollow	C	0.5	Mouth	36,31N,3E	Iron			x	x				B		
[Sutton's Cr.] Sutton Cr.	P	1.0	Mouth	12,29N,4W	Shannon			x	x				B		
Swan Cr.	C	[2.0] 2.2	Mouth	8,42N,8W	Osage			x	x				B		
Swan Cr.	P	[29.5] 36.8	Mouth	4,26N,18W	Taney	Christian	x	x	x	x			A	x	
Swan Cr.	C	2.0	4,26N,18W	34,27N,18W	Christian	Douglas		x	x				B		
Swede Br.	C	[0.1] 0.4	Mouth	32,37N,21W	Hickory			x	x				B		
Sweet Hollow	C	[3.0] 2.7	Mouth	27,36N,17W	Laclede			x	x				B		
Sweet Spring Cr.	C	[11.0] 11.2	Mouth	18,53N,14W	Randolph			x	x				[B]		
Sweeten Cr.	C	[1.0] 1.6	Mouth	26,22N,13W	Ozark			x	x				B		
[Sweeten Hollow] Marys Hollow	C	[4.0] 4.6	Mouth	5,24N,11W	Ozark			x	x				B		
Sweetwater Br.	P	1.0	Mouth	30,34N,7E	Madison			x	x				B		
Sweetwater Br.	C	[1.0] 1.7	30,34N,7E	28,34N,7E	Madison			x	x				B		
Sweetwater Cr.	P	[3.5] 3.0	Mouth	28,31N,2W	Reynolds			x	x				B		
Sweezer Cr.	C	[4.0] 4.9	Mouth	20,58N,15W	Macon			x	x				B		
Swift Cr.	C	1.0	Mouth	15,26N,5E	Butler			x	x				B		
Swift Ditch	C	4.0	26,23N,14E	2,23N,14E	New Madrid			x	x				B		
Sycamore Br.	P	[4.0] 4.5	Mouth	7,29N,26W	Lawrence			x	x				B		
Sycamore Cr.	P	[3.5] 3.7	Mouth	20,29N,24W	Greene			x	x				B		
Sycamore Cr.	C	1.0	Mouth	15,27N,3W	Shannon			x	x				B		
Tabo Cr.	P	[11.0] 11.4	Mouth	27,50N,26W	Lafayette			x	x				B		
Tabo Cr.	C	[9.1] 8.4	27,50N,26W	20,49N,26W	Lafayette			x	x				B		
Tabor Cr.	P	[5.0] 5.6	Mouth	9,24N,10W	Douglas	Howell		x	x				B		

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WATER BODY	CLASS	MILES	FROM	TO	COUNTY	COUNTY 2	IRR	LWW	AQL	CLF	CDF	WBC	SCR	DWS	IND
Tabor Cr.	C	[2.5] 3.7	9,24N,10W	11,24N,10W	Howell			x	x			B			
Tanyard Cr.	C	[3.5] 4.0	Mouth	9,50N,16W	Howard			x	x			B			
Tarbutton Cr.	P	2.0	Mouth	4,26N,14W	Douglas			x	x			B			
Tarkio R.	P	[33.0] 33.5	Mouth	State Line	Holt	Atchison	x	x	x			B	x	x	
Tater Hill Cr.	C	[8.0] 7.7	Mouth	27,55N,24W	Carroll			x	x			B			
Taum Sauk Cr.	C	[4.5] 4.0	Mouth	14,33N,2E	Reynolds			x	x			B			
Tavern Cr.	P	[37.0] 39.2	Mouth	5,38N,12W	Miller			x	x	x		A	x		
Tavern Cr.	C	[8.0] 10.6	5,38N,12W	12,37N,13W	Miller	Pulaski		x	x	x		A			
Taylor Br.	C	1.2	Mouth	[County Line] 27,36N,6E	St. Francois			x	x			B			
Teague Br.	C	[5.0] 5.8	Mouth	1,33N,27N	Cedar			x	x			B			
Tebo Cr.	P	4.0	Mouth	6,42N,24W	Henry			x	x			B			
Tebo Cr.	C	0.5	6,42N,24W	31,43N,24W	Henry			x	x			B			
Tebo Cr.	C	[3.5] 3.1	Mouth	19,44N,21W	Pettis			x	x			B			
Teeter Cr.	C	3.0	Mouth	20,25N,14W	Douglas			x	x			B			
[Ten Mile Cr.] Tennmile Cr.	P	[8.0] 9.3	Mouth	10,25N,4E	Butler			x	x			A	x		
[Ten Mile Cr.] Tennmile Cr.	C	[13.0] 14.2	10,25N,4E	[30,26N,3E] 29,26N,3E	Butler	Carter		x	x			A	x		
Tennmile Pond	C	[6.0] 5.1	28,24N,16E	[3,24N,16E] 2,24N,16E	Mississippi			x	x			B			
Tennessee Cr.	C	[7.0] 8.0	Mouth	34,44N,31W	Cass			x	x			B			
Terre Bleue Cr.	P	[4.5] 6.3	Mouth	Sur 2107,37N,5E	St. Francois			x	x	x		A			
Terre Bleue Cr.	C	[5.0] 6.0	Sur 2107, 37N,5E	[Sur 3062,37N,6E] Sur 2097,37N,6E	St. Francois			x	x			B			
[Terrell Br.] Terrell Br.	P	[2.0] 2.2	Mouth	17,28N,18W	Webster			x	x			B			
Terrell Cr.	P	1.0	Mouth	2,27N,23W	Christian			x	x		x	B			
Terrell Cr.	P	[4.0] 3.7	2,27N,23W	5,27N,23W	Christian			x	x			B			
Terrell Cr.	C	1.0	5,27N,23W	6,27N,23W	Christian			x	x			B			
Terrell Cr.	P	1.0	6,27N,23W	1,27N,24W	Christian			x	x			B			
Thief Cr.	C	[3.0] 3.6	[16,66N,16W] Mouth	12,66N,16W	Schuyler			x	x			B			
Third Cr.	P	4.5	Mouth	5,42N,6W	Osage	Gasconade		x	x			B			
Third Cr.	C	6.5	5,42N,6W	7,42N,5W	Gasconade			x	x			B			
Third Fk. Platte R.	C	[7.5] 33.7	Mouth	[08,57N,33W] 25,61N,33W	Buchanan	Gentry		x	x			B	x		
[Third Fk. Platte R.]	[C]	[25.0]	[08,57N,33W]	[25,61N,33W]	[Buchanan]	[Gentry]		[x]	[x]						
Thomas Cr.	C	[7.0] 8.8	Mouth	3,35N,20W	Hickory	Dallas		x	x			B			
Thompson Br.	C	1.0	Mouth	1,62N,31W	Gentry			x	x			B			
Thompson Cr.	C	[1.0] 1.6	Mouth	[13,59N,27W] 12,59N,27W	Daviess			x	x			B			
Thompson R.	P	[65.0] 70.6	Mouth	State Line	Livingston	Harrison	x	x	x			B		x	
Three Hill Cr.	C	[4.0] 4.4	Mouth	7,37N,4E	St. Francois			x	x			B	x		
[Three Mile Cr.] Threemile Cr.	C	[2.0] 2.4	Mouth	21,40N,4W	Franklin	Crawford		x	x			B			
Thurman Cr.	P	[2.5] 3.0	Mouth	30,27N,32W	Newton			x	x			B			
Tick Cr.	C	[4.0] 4.4	Mouth	28,38N,9W	Phelps			x	x			B			
Tiff Cr.	P	[1.7] 2.1	Mouth	04,38N,04E	Jefferson			x	x			B			

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Tiger Fk.	C	[12.5] 14.0	Mouth	10,59N,10W	Shelby			x	x			B			
Tobin Cr.	C	[6.0] 8.0	Mouth	34,65N,12W	Scotland			x	x			B			
Toby Hollow	C	[2.0] 1.7	Mouth	Toby Sprg.	Camden			x	x			B			
Todd Cr.	C	[9.5] 9.9	Mouth	15,52N,34W	Platte			x	x			B	x		
Todd Hollow	C	1.0	Mouth	3,36N,2W	Crawford			x	x			B			
Tombstone Cr.	P	[1.5] 2.7	Mouth	26,62N,26W	Harrison			x	x			B			
Tombstone Cr.	C	[3.0] 3.9	26,62N,26W	28,62N,26W	Harrison			x	x			B			
Toms Cr.	C	[1.5] 2.2	Mouth	10,32N,2W	Reynolds			x	x			[B]	x		
Tory Cr.	P	[2.5] 2.8	Mouth	27,26N,22W	Stone	Christian		x	x		x	B			
Town Br.	P	[1.0] 0.8	Mouth	13,36N,1W	Washington			x	x			B			
Town Br.	C	[1.0] 1.8	13,36N,1W	18,36N,1E	Washington			x	x			B			
Town Br.	P	2.5	Mouth	12,33N,23W	Polk			x	x			B			
Townsend Slough	C	1.7	Mouth	21,37N,32W	Vernon			x	x			B			
Towstring Cr.	C	[8.0] 7.7	Mouth	20,56N,22W	Livingston			x	x			B			
Tr. to Blue Shawnee Cr.	C	[1.5] 1.8	Mouth	21,33N,13E	Cape Girardeau			x	x			B			
Tr. to Bois Brule Ditch	C	1.0	Mouth	Sur 1870,36N,11E	Perry			x	x			B			
Tr. to Isle du Bois Cr.	C	1.0	Mouth	14,39N,6E	Ste. Genevieve			x	x			B			
[Tr. to L. Whitewater Cr.] L. Whitewater Cr.	C	0.5	Mouth	8,33N,9E	Bollinger			x	x			B			
Tr. to N. Pr. Beaverdam Cr	.C	1.0	Mouth	19,25N,4E	Ripley			x	x			B			
Tr. to O. Ch. Nishnabotna R.	C	[1.5] 0.9	Mouth	17,64N,41W	Atchison			x	x			B			
Tr. to O. Ch. Nishnabotna R.	C	2.0	Mouth	30,66N,41W	Atchison			x	x			B			
Tr. to Woods Fk Gasconade	C	[2.5] 2.3	2,29N,16W	15,29N,16W	Wright			x	x			B			
Trace Cr.	P	[1.0] 1.3	Mouth	1,35N,1W	Washington			x	x			B			
Trace Cr.	C	[1.0] 1.3	1,35N,1W	6,35N,1E	Washington			x	x			B			
Trace Cr.	C	[5.5] 6.2	Mouth	29,32N,6E	Madison			x	x			B			
Trace Cr.	P	4.0	Mouth	4,30N,8E	Wayne	Bollinger		x	x		x	B			
Trace Cr.	C	[3.0] 3.4	4,30N,8E	26,31N,8E	Bollinger	Madison		x	x			B			
Trail Cr.	C	4.0	Mouth	[3,24N,12W] 10,24N,12W	Ozark			x	x			B			
Trail Cr.	P	[6.0] 4.7	Mouth	Hwy. 136	Harrison			x	x			B			
Trail Cr.	C	5.0	Hwy. 136	19,64N,26W	Harrison			x	x			B			
Trib to Bates Cr.	C	1.0	Mouth	16,37N,02E	Washington			x	x			B			
Trib to Coon Cr.	C	0.5	Mouth	[11,45N,22W] 2,45N,22W	Pettis			x	x						
Trib to Coon Cr.	C	[1.4] 1.8	Mouth	12,45N,22W	Pettis			x	x			B			
Trib to E. Fk Postoak Cr.	C	2.0	Mouth	34,45N,26W	Johnson			x	x			B			
Trib to E. Fk Postoak Cr.	C	3.9	Mouth	23,44N,26W	Johnson			x	x			B			
Trib to Pomme. de Terre Res	C	[1.2] 1.5	Mouth	30,36N,22W	Hickory			x	x			B			

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Trib. Headwater Div.	P	1.5	Mouth	31,30N,12E	Cape Girardeau			x	x					B	
Trib. Headwater Div.	C	1.0	31,30N,12E	36,30N,11E	Cape Girardeau			x	x					B	
Trib. M. Fk. Big Cr.	C	[1.0] 1.6	Mouth	24,31N,6E	Madison			x	x					B	
Trib. M. Fk. Grand R.	C	[2.0] 1.4	Mouth	State Line	Worth			x	x					B	
Trib. M. Fk. Salt R.	C	1.0	Mouth	22,59N,14W	Macon			x	x					B	
Trib. M. Fk. Tebo Cr.	C	[1.0] 1.7	[17,43N,24W] 19,43N,24W	17,43N,24W	Henry			x	x					B	
Trib. M. Fk. Tebo Cr.	C	0.5	9,43N,24W	3,43N,24W	Henry			x	x					B	
Trib. M. Fk. Tebo Cr.	C	0.5	Mouth	5,43N,24W	Henry			x	x					B	
Trib. M. Fk. Tebo Cr.	C	[3.5] 3.1	Mouth	36,44N,25W	Henry			x	x					B	
[Trib. M. Fk. Tebo Cr.] Trib. to Trib. M. Fk. Tebo Cr.	C	[1.0] 1.3	Mouth	36,44N,25W	Henry			x	x					B	
[Trib. Old Mines Cr.] Salt Pine Cr.	C	[1.0] 1.2	Mouth	5,38N,3E	Washington			x	x					B	
Trib. Old Mines Cr.	C	1.5	Mouth	32,39N,3E	Washington			x	x					B	
Trib. to Alley Br.	C	[1.0] 1.6	Mouth	22,29N,5W	Shannon			x	x					B	
Trib. to Apple Cr.	C	[3.0] 4.7	Mouth	Hwy. 51	Perry			x	x					B	
Trib. to Apple Cr.	C	[0.5] 2.1	Mouth	16,34N,10E	Perry			x	x					B	
Trib. to Atwell Cr.	C	[3.0] 3.2	Mouth	05,38N,11W	Miller	Maries		x	x					B	
Trib. to Baileys Cr.	C	0.8	Mouth	06,45N,06W	Gasconade			x	x					B	
Trib. to Baileys Cr.	P	0.8	Mouth	32,45N,07W	Osage			x	x					B	
Trib. to Baileys Cr.	C	0.5	Mouth	27,45N,7W	Osage			x	x					B	
Trib. to Barkers Cr.	C	1.0	Mouth	15,42N,24W	Henry			x	x					B	
Trib. to Barn Hollow	C	[1.0] 1.3	Mouth	4,27N,7W	Texas	Howell		x	x					B	
Trib. to Barren Fk.	C	1.0	Mouth	31,39N,13W	Miller			x	x					B	
Trib. to Barren Fork	C	1.5	Mouth	36,44N,05W	Gasconade			x	x					B	
Trib. to Basin Fk.	C	[2.3] 3.7	Mouth	23,44N,23W	Pettis			x	x					B	
Trib. to Basin Fk.	C	[2.4] 3.1	Mouth	36,45N,23W	Pettis			x	x					B	
[Trib. to Bauer Br.]	[C]	[1.5]	[Mouth]	[28,43N,21W]	[Benton]			[x]	[x]					[B]	
[Trib. to Bay de Charles] Walkers Slough	P1	[2.5] 1.6	Mouth	6,57N,4W	Marion			x	x					B	
[Trib. to Bay de Charles] Walkers Slough	C	[3.0] 3.5	6,57N,4W	24,58N,5W	Marion			x	x					B	
Trib. to Beaver Cr.	C	1.0	Mouth	25,29N,12W	Texas			x	x					B	
Trib. to Beaver Cr.	C	1.0	Mouth	23,24N,18W	Taney			x	x					B	
[Trib. to Beaver Dam Ck.] Trib. to Beaverdam Cr.	C	0.7	Mouth	25,47N,23W	Pettis			x	x					B	
[Trib. to Beaver Dam Ck.] Trib. to Beaverdam Cr.	C	0.8	Mouth	24,47N,23W	Pettis			x	x					B	
Trib. to Bee Cr.	C	[2.0] 1.8	Mouth	3,54N,35W	Platte			x	x					B	
Trib. to Beeler Br.	C	[1.0] 1.4	Mouth	[20,28N,10W] 29,28N,10W	Texas			x	x					B	
Trib. to Benton Cr.	P	[0.5] 0.7	Mouth	5,36N,5W	Crawford			x	x					B	
Trib. to Big Berger Cr.	C	[1.0] 0.8	Mouth	35,45N,4W	Franklin			x	x					B	
Trib. to Big Br.	C	[0.8] 1.2	Mouth	14,44N,04W	Franklin			x	x					B	
Trib. to Big Buffalo Cove	C	0.8	Mouth	35,41N,20W	Benton			x	x					B	
Trib. to Big Buffalo Cr.	C	[0.2] 0.6	Mouth	12,41N,20W	Benton			x	x					B	

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Trib. to Big Cr.	C	3.0	Mouth	4,29N,8W	Texas			x	x						B
Trib. to Big Cr.	C	[2.0] 2.2	Mouth	2,29N,8W	Texas			x	x						B
Trib. to Big Cr.	C	1.0	Mouth	24,31N,3E	Iron			x	x						B
Trib. to Big Cr.	C	[1.0] 1.4	Mouth	35,32N,3E	Iron			x	x						B
[Trib. to Big Cr.]	C	[3.8] 3.6	Mouth	Lake Harrisonville	Cass			x	x						B
Trib. to Middle Big Cr.															
Trib. to Big Lake Bayou	C	[3.5] 3.1	Mouth	19,27N,16E	Mississippi			x	x						B
Trib. to Big Otter Cr.	C	1.0	Mouth	32,40N,25W	Henry			x	x						B
Trib. to Big R.	C	1.0	Mouth	26,39N,3E	Washington			x	x						B
Trib. to Big R.	C	1.0	Mouth	2,36N,3E	Washington			x	x						B
[Trib. to Big R.]	C	[0.8] 1.1	Mouth	21,37N,05E	St. Francois			x	x						B
Cedar Run															
Trib. to Billies Cr.	C	[1.5] 2.1	Mouth	10,29N,25W	Lawrence			x	x						B
Trib. to Bird Br.	C	0.6	Mouth	14,41N,22W	Benton			x	x						B
Trib. to Black R.	C	[1.5] 2.0	Mouth	11,30N,2E	Reynolds			x	x						B
[Trib. to Black R.]	C	[1.0] 1.6	Mouth	36,26N,5E	Butler			x	x						B
Widow Cr.															
Trib. to Blackwater R.	C	1.1	Mouth	24,48N,22W	Saline	Pettis		x	x						B
Trib. to Blackwater R.	C	0.7	Mouth	19,48N,22W	Saline	Pettis		x	x						B
Trib. to Blackwater R.	C	0.5	Mouth	21,48N,23W	Pettis			x	x						B
Trib. to Blackwater R.	C	1.7	Mouth	29,48N,23W	Pettis			x	x						B
Trib. to Boeuf Cr.	C	[1.0] 1.2	Mouth	17,44N,2W	Franklin			x	x						B
Trib. to Boeuf Cr.	C	1.5	Mouth	35,45N,3W	Franklin			x	x						B
Trib. to Boeuf Cr.	C	1.5	Mouth	17,44N,3W	Franklin			x	x						B
[Trib. to Boeuf Cr.]	C	1.5	Mouth	30,43N,4W	Gasconade			x	x						B
Langejammer Cr.															
[Trib. to Boeuf Cr.]	C	[1.0] 0.8	Mouth	21,44N,3W	Franklin			x	x						B
Prairie Fk.															
Trib. to Boeuf Cr.	C	0.2	Mouth	12,43N,04W	Franklin			x	x						B
Trib. to Boeuf Cr.	C	1.3	Mouth	08,42N,04W	Gasconade			x	x						B
Trib. to Bois Brule Cr.	C	[0.5] 0.9	Mouth	15,42N,13W	Cole			x	x						B
Trib. to Bois Brule Cr.	C	[0.5] 0.7	Mouth	24,42N,13W	Cole			x	x						B
Trib. to Bois Brule Ditch	P	[2.0] 1.7	Mouth	4,36N,11E	Perry			x	x						B
[Trib. to Bois Brule Ditch]	C	[1.0] 1.6	[4,36N,11E]	Sur 147,37N,11E	Perry			x	x						B
Trib to trib to Bois Brule Ditch															
Trib. to Boone Cr.	C	0.3	Mouth	15,40N,03W	Crawford			x	x						B
Trib. to Bourbeuse R.	C	[1.8] 2.0	14,40N,06W	Hwy. B	Gasconade			x	x						B
Trib. to Bourbeuse R.	P	0.2	Mouth	14,40N,06W	Gasconade			x	x						B
Trib. to Brazeau Cr.	P	[2.0] 2.2	Mouth	7,34N,13E	Perry			x	x						B
Trib. to Brazeau Cr.	C	1.0	7,34N,13E	12,34N,12E	Perry			x	x						B
Trib. to Brewers Cr.	C	0.5	Mouth	19,34N,5E	Madison			x	x						B
Trib. to Brock Cr.	C	1.0	Mouth	35,36N,1E	Washington			x	x						B
[Trib. to Browns Br.]	C	[3.0] 3.7	[Mouth]	13,43N,01W	Franklin			x	x						B
Browns Br.															

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Trib. to Brush Cr.	C	[1.6] 1.9	Mouth	15,42N,23W	Benton			x	x			B			
Trib. to Brush Cr.	C	[2.0] 1.7	Mouth	24,42N,9W	Osage			x	x			B			
Trib. to Brush Cr.	C	1.5	Mouth	19,42N,8W	Osage			x	x			B			
Trib. to Brush Cr.	C	1.0	Mouth	34,40N,5W	Crawford			x	x			B			
Trib. to Brush Cr.	C	1.0	Mouth	[30,40N,4W] 25,40N,5W	Crawford			x	x			B			
Trib. to Brush Cr.	C	[1.2] 1.4	Mouth	30,36N,25W	St. Clair			x	x			B			
Trib. to Brush Cr.	C	[0.2] 0.4	Mouth	28,36N,25W	St. Clair			x	x			B			
Trib. to Brush Cr.	C	0.1	Mouth	26,39N,05W	Crawford			x	x			B			
Trib. to Brush Cr.	C	1.0	Mouth	34,43N,14W	Cole			x	x			B			
Trib. to Bryant Cr.	C	[1.5] 1.8	Mouth	14,24N,13W	Ozark			x	x			B			
Trib. to Bryants Cr.	C	3.0	Mouth	17,51N,1E	Lincoln			x	x			B			
Trib. to Bryants Cr.	C	[1.0] 1.7	Mouth	20,51N,1E	Lincoln			x	x			B			
[Trib. to Buck Lick Cr.] Trib. to Bucklick Cr.	C	1.5	Mouth	24,44N,3W	Franklin			x	x			B			
[Trib. to Buck Lick Cr.] Trib. to Bucklick Cr.	C	[1.0] 1.3	Mouth	29,44N,2W	Franklin			x	x			B			
Trib. to Burris Fk.	C	0.5	Mouth	3,43N,16W	Moniteau			x	x			B			
Trib. to Burris Fk.	C	0.5	Mouth	34,44N,16W	Moniteau			x	x			B			
Trib. to Busch Cr.	C	[2.0] 3.0	Mouth	34,44N,1W	Franklin			x	x						
Trib. to Busch Cr.	C	[1.5] 1.8	Mouth	35,44N,1W	Franklin			x	x				x		
Trib. to Butcher Cr.	C	1.0	Mouth	22,48N,1E	Lincoln			x	x			B			
Trib. to Byrd Cr.	C	1.0	Mouth	Sur 2236,32N,12E	Cape Girardeau			x	x			B			
Trib. to Camp Br.	C	[0.8] 1.0	Mouth	24,45N,22W	Pettis			x	x			B			
Trib. to Camp Br.	C	0.7	Mouth	23,45N,22W	Pettis			x	x			B			
Trib. to Camp Br.	C	[0.3] 0.8	Mouth	29,45N,22W	Pettis			x	x			B			
Trib. to Camp Cr.	C	1.1	Mouth	[Hwy. EE] 20,36N,6E	St. Francois			x	x			B			
Trib. to Cane Cr.	P	[1.5] 1.3	Mouth	Sur 2138,32N,12E	Cape Girardeau			x	x			B			
Trib. to Cane Cr.	C	[1.0] 0.8	Mouth	10,26N,4E	Butler			x	x			B			
Trib. to Cane Cr.	C	1.0	Mouth	8,26N,4E	Butler			x	x			B			
Trib. to Cane Cr.	C	[1.0] 1.2	Mouth	35,26N,4E	Butler			x	x			B			
Trib. to Caney Cr.	C	1.9	Mouth	12,24N,17W	Taney			x	x			A			
Trib. to Capps Cr.	P	1.0	Mouth	14,25N,29W	Newton			x	x			B			
Trib. to Castile Cr.	C	[1.0] 1.2	Mouth	3,56N,32W	Clinton			x	x			B			
Trib. to Castor R.	P	[1.5] 1.8	Mouth	5,28N,9E	Bollinger			x	x			B			
Trib. to Castor R.	C	0.5	5,28N,9E	Hwy. 51	Bollinger			x	x			B			
Trib. to Castor R.	C	1.5	Mouth	16,28N,10E	Bollinger	Stoddard		x	x			B			
Trib. to Castor R.	P	3.0	Mouth	23,34N,7E	Madison			x	x			B			
Trib. to Castor R.	C	1.0	Mouth	25,34N,7E	Madison			x	x			B			
[Trib. to Cedar Cr.] Coon Hollow	C	[1.0] 1.6	Mouth	3,34N,2E	Iron			x	x			B			
Trib. to Cedar Cr.	C	0.5	Mouth	32,46N,11W	Callaway			x	x			B			
[Trib. to Cedar Cr.] Renfro Cr.	C	1.5	Mouth	14,49N,11W	Callaway			x	x			B			
Trib. to Center Cr.	C	1.0	Mouth	21,27N,29W	Newton			x	x			B			
[Trib. to Chariton R.]	[C]	[1.5]	[Mouth]	[33,66N,16W]	[Putnam]			[x]	[x]			[B]			
Trib. to Cherry Valley Cr.	C	1.2	Mouth	[Hwy.BB] 9,37N,3W	Crawford			x	x			B			

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Trib. to Clark Fk.	C	0.5	Mouth	15,47N,16W	Cooper			x	x				[B]		
Trib. to Clear Cr.	C	1.0	Mouth	21,36N,2E	Washington			x	x				B		
Trib. to Clear Cr.	C	0.4	Mouth	[14,44N,25W] 23,44N,25W	Johnson			x	x				B		
Trib. to Clear Cr.	C	1.6	Mouth	26,39N,06W	Phelps			x	x				B		
Trib. to Clear Cr.	C	[1.5] 1.7	Mouth	05,34N,30W	Vernon			x	x				B		
Trib. to Clear Cr.	C	[0.6] 0.9	Mouth	28,42N,23W	Benton			x	x				B		
Trib. to Clear Cr.	C	[1.3] 1.8	Mouth	32,34N,30W	Vernon			x	x				B		
Trib. to Clear Cr.	C	[2.0] 2.2	Mouth	15,54N,31W	Clinton			x	x				B		
Trib. to Clear Fk.	C	0.8	Mouth	15,44N,25W	Johnson			x	x				B		
Trib. to Clear Fk.	C	[1.6] 2.0	Mouth	04,44N,25W	Johnson			x	x				B		
Trib. to Coon Cr.	C	[1.0] 2.0	Mouth	32,54N,13W	Randolph			x	x				B		
Trib. to Coopers Cr.	C	[2.0] 3.2	Mouth	4,39N,26W	St. Clair			x	x				B		
Trib. to Courtois Cr.	C	[1.0] 1.2	Mouth	31,37N,1W	Washington			x	x				B		
Trib. to Crane Cr.	C	0.9	Mouth	14,36N,21W	Hickory			x	x				B		
Trib. to Crane Cr.	C	[0.6] 0.8	Mouth	[14,36N,21W] 15,36N,21W	Hickory			x	x				B		
Trib. to Crane Cr.	C	[1.2] 1.9	Mouth	[34,37N,21W] 2,36N,21W	Hickory			x	x				B		
Trib. to Crane Cr.	C	[0.7] 1.0	Mouth	29,37N,21W	Hickory			x	x				B		
Trib. to Crane Cr.	C	0.2	Mouth	01,36N,21W	Hickory			x	x				B		
Trib. to Crane Cr.	C	0.4	Mouth	01,36N,21W	Hickory			x	x				B		
Trib. to Crane Cr.	C	0.1	Mouth	[32,37N,21W] 31,37N,21W	Hickory			x	x				B		
Trib. to Crider Cr.	C	0.9	Mouth	[Hwy. NN] 11,41N,7W	Osage			x	x				B		
Trib. to Crooked Cr.	C	1.0	Mouth	31,37N,4W	Crawford			x	x				B		
Trib. to Crooked Cr.	P	1.0	Mouth	Lk Girardeau Dam	Cape Girardeau			x	x				B		
Trib. to Crooked Cr.	C	1.5	9,30N,11E	5,30N,11E	Cape Girardeau			x	x				B		
Trib. to Crooked Cr.	C	1.0	Mouth	14,30N,10E	Bollinger			x	x				B		
Trib. to Crooked Cr.	C	[1.0] 0.7	Mouth	32,30N,11E	Cape Girardeau			x	x				B		
[Trib. to Davis Cr.] Millan Hollow	C	[1.0] 1.4	Mouth	1,29N,20W	Greene			x	x				[B]		
Trib. to Davis Cr.	C	3.0	Mouth	3,61N,38W	Holt			x	x						
Trib. to Deer Cr.	P	1.0	Mouth	33,45N,08W	Osage			x	x				B		
Trib. to Deer Cr.	C	1.9	33,45N,08W	04,44N,08W	Osage			x	x				B		
Trib. to Deer Cr.	P	0.3	Mouth	06,39N,20W	Benton			x	x				B		
Trib. to Deer Cr.	P	[0.6] 0.8	Mouth	28,40N,20W	Benton			x	x				B		
Trib. to Dillard Cr.	C	1.5	Mouth	20,31N,11E	Cape Girardeau			x	x				B		
Trib. to Dry Cr.	C	1.0	Mouth	15,36N,3W	Crawford			x	x				B		
Trib. to Dry Cr.	C	[1.5] 1.8	Mouth	36,37N,3W	Crawford			x	x				B		
Trib. to Dry Cr.	C	[4.5] 4.8	Mouth	20,25N,9W	Howell			x	x				B		
Trib. to Dry Cr.	C	[2.0] 2.2	Mouth	10,25N,9W	Howell			x	x				B		
Trib. to Dry Fork	C	[1.2] 2.0	Mouth	34,37N,07W	Phelps			x	x				B		
Trib. to Dry Fork	C	0.4	Mouth	27,38N,06W	Phelps			x	x				B		
Trib. to Dunn Spring Cr.	C	1.5	Mouth	[35,44N,1E] 976,44N,1E	Franklin			x	x				B		

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Trib. to E. Brush Cr.	C	0.5	Mouth	3,45N,15W	Moniteau			x	x			B			
Trib. to E. Fk. Crooked R.	C	[5.0] 4.8	Mouth	24,54N,28W	Ray			x	x			B			
Trib. to E. Fk. Huzzah Cr.	C	1.0	Mouth	30,34N,2W	Dent			x	x			B			
Trib. to E. Fk. L. Blue R.	P	[1.5] 1.9	Mouth	Lk. Tapawingo Dam	Jackson			x	x			B			
Trib. to E. Fk. Lost Cr.	P	1.0	Mouth	2,27N,7E	Wayne			x	x			B			
Trib. to E. Fk. Lost Cr.	C	1.0	2,27N,7E	2,27N,7E	Wayne			x	x			B			
Trib. to E. Fk. Rock Cr.	C	1.0	Mouth	18,22N,25W	Barry			x	x			B			
Trib. to E. Fk. Rock Cr.	C	1.0	Mouth	[12,22N,26W] 11,22N,26W	Barry			x	x			B			
Trib. to E. Fk. Sni-a-bar	C	[4.6] 3.8	Mouth	22,48N,28W	Lafayette			x	x			B			
Trib. to E. Fk. Sni-a-bar	C	[3.0] 2.7	Mouth	[30,48N,28W] 19,48N,28W	Lafayette			x	x			B			
Trib. to East Cr.	C	[1.0] 1.3	Mouth	32,46N,32W	Cass			x	x			B			
Trib. to Edmondson Cr.	C	[2.5] 3.1	Mouth	15,52N,20W	Saline			x	x			B			
Trib. to Elk Br.	C	0.2	Mouth	32,46N,22W	Pettis			x	x			B			
Trib. to Elk Fk.	C	0.2	Mouth	16,44N,23W	Pettis			x	x			B			
Trib. to Factory Cr.	P	0.5	Mouth	2,46N,14W	Moniteau			x	x			B			
Trib. to Factory Cr.	C	0.5	2,46N,14W	35,47N,14W	Moniteau			x	x			B			
Trib. to Factory Cr.	C	[0.5] 0.9	Mouth	29,47N,14W	Moniteau			x	x			B	x		
Trib. to First Cr.	C	[2.5] 2.0	Mouth	28,45N,5W	Gasconade			x	x			B			
Trib. to Flat Cr.	C	[2.0] 2.2	Mouth	26,22N,28W	Barry			x	x			B			
[Trib. to Flat Cr.] Willow Br.	C	[3.0] 3.4	Mouth	28,24N,26W	Barry			x	x			B			
[Trib. to Flat Cr.] Trib. To trib. to Flat Cr.	C	2.1	Mouth	13,45N,20W	Pettis			x	x			B			
Trib. to Flat Cr.	C	[2.3] 3.2	Mouth	15,45N,20W	Pettis			x	x			B	x		
Trib. to Flat Cr.	C	[1.5] 1.8	Mouth	18,45N,20W	Pettis			x	x			B			
Trib. to Flat Cr.	C	[1.1] 1.5	Mouth	18,45N,21 W	Pettis			x	x			B			
Trib. to Flat Cr.	C	[1.2] 1.8	Mouth	24,45N,22W	Pettis			x	x			B			
Trib. to Flat Cr.	C	0.9	Mouth	10,44N,22W	Pettis			x	x			B			
Trib. to Flat Cr.	C	[1.0] 1.4	Mouth	19,44N,22W	Pettis			x	x			B			
Trib. to Flat Cr.	C	[2.1] 2.7	Mouth	07,43N,22W	Pettis			x	x			B			
Trib. to Flat Cr.	C	[0.7] 1.0	Mouth	14,43N,23W	Pettis	Benton		x	x			B			
Trib. to Fleck Cr.	C	[2.0] 2.5	Mouth	28,32N,33W	Barton			x	x			B			
Trib. to Fourche a DuClos Cr.	C	1.0	Mouth	31,38N,7E	Ste. Genevieve			x	x			B			
Trib. to Frene Cr.	C	0.5	Mouth	10,45N,5W	Gasconade			x	x			B			
Trib. to Gasconade R.	C	[2.0] 2.2	Mouth	24,44N,7W	Gasconade	Osage		x	x			B			
Trib. to Gasconade R.	C	0.5	26,29N,16W	34,29N,16W	Wright			x	x			B			
Trib. to Gasconade R.	C	[1.0] 1.4	Mouth	2,38N,9W	Phelps			x	x			B			
[Trib. to Gasconade R.] Buck Cr.	C	[2.0] 1.5	Mouth	23,42N,8W	Osage			x	x			B			
[Trib. to Gasconade R.] Peggy Br	P	[1.0] 1.3	Mouth	32,43N,7W	Osage			x	x			B			
[Trib. to Gasconade R.] Peggy Br.	C	0.5	32,43N,7W	5,42N,7W	Osage			x	x			B			

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<i>[Trib. to Gasconade R.]</i> Hope Cr.	C	<i>[1.2]</i> 1.7	Mouth	<i>[Hwy N]</i> 35,44N,7W	Osage		x	x				B			
Trib. to Gizzard Cr.	C	1.0	Mouth	1,29N,10E	Bollinger		x	x				B			
Trib. to Goose Cr.	C	3.0	Mouth	18,28N,25W	Lawrence		x	x				B			
Trib. to Goose Pond Ditch	C	1.0	Mouth	4,26N,9E	Stoddard		x	x				B			
<i>[Trib. to Greasy Cr.]</i> Hankens Br.	C	1.0	Mouth	33,33N,20W	Dallas		x	x				B			
Trib. to Greasy Cr.	C	2.0	Mouth	<i>[13,21N,29W]</i> 15,21N,29W	Barry		x	x				B			
Trib. to Greedy Cr.	P	0.2	Mouth	Hwy B	Gasconade		x	x				B			
Trib. to Grindstone Cr.	C	1.0	Mouth	9,57N,30W	Dekalb		x	x				B			
Trib. to Hamilton Cr.	C	<i>[0.5]</i> 0.9	Mouth	29,40N,1W	Washington		x	x				B			
Trib. to Haw Cr.	P	1.0	Mouth	19,43N,19W	Morgan		x	x				B			
Trib. to Haw Cr.	C	1.0	Mouth	26,43N,20W	Benton		x	x				B			
Trib. to Hazel Cr.	C	<i>[1.0]</i> 0.8	Mouth	22,36N,1E	Washington		x	x				B			
Trib. to Heaths Cr.	C	<i>[3.5]</i> 3.9	Mouth	28,47N,22W	Pettis		x	x				B			
Trib. to Heaths Cr.	C	2.0	Mouth	20,47N,22W	Pettis		x	x				B			
Trib. to Heaths Cr.	C	1.1	Mouth	08,47N,21W	Pettis		x	x				B			
Trib. to Heaths Cr.	C	0.5	Mouth	32,48N,21W	Pettis		x	x				B			
Trib. to Henry Cr.	C	1.2	Mouth	31,44N,21W	Pettis	Benton	x	x				B			
Trib. to Hess Cr.	C	0.7	Mouth	18,47N,21W	Pettis		x	x				B			
Trib. to Hickory Cr.	C	<i>[1.0]</i> 0.6	Mouth	9,60N,25W	Grundy		x	x				B			
Trib. to Higgins Cr.	C	0.5	Mouth	<i>[33,43N,12W]</i> 34,43N,12W	Cole		x	x				B			
Trib. to High Cr.	C	2.0	Mouth	<i>[14,66N,42W]</i> 14,66N,41W	Atchison		x	x				B			
Trib. to Hinch Cr.	C	1.0	Mouth	34,39N,2W	Crawford		x	x				B			
Trib. to Hinkson Cr.	C	0.5	Mouth	2,49N,12W	Boone		x	x				B			
<i>[Trib. to Hogan's Fk.]</i> Trib. to Hogan Fk.	C	<i>[2.3]</i> 2.0	Mouth	13,44N,27W	Johnson		x	x				B			
Trib. to Hogles Cr.	C	1.0	Mouth	26,39N,24W	St. Clair		x	x				B			
Trib. to Hogles Cr.	C	<i>[2.8]</i> 3.3	Mouth	22,37N,23W	Hickory		x	x				B			
Trib. to Hogles Cr.	C	<i>[0.8]</i> 1.1	Mouth	32,39N,23W	Benton		x	x				B			
Trib. to Honey Run	C	<i>[0.5]</i> 0.8	Mouth	6,38N,15W	Camden		x	x				B			
Trib. to Horse Cr.	C	2.0	Mouth	29,32N,28W	Dade		x	x				B			
Trib. to Howell Cr.	C	<i>[1.0]</i> 1.4	Mouth	12,23N,7W	Howell		x	x				B			
Trib. to Huzzah Cr.	C	<i>[1.0]</i> 1.2	Mouth	26,38N,3W	Crawford		x	x				B			
Trib. to Huzzah Cr.	C	<i>[1.0]</i> 1.6	Mouth	29,37N,2W	Crawford		x	x				B			
Trib. to Huzzah Cr.	C	<i>[1.0]</i> 1.2	Mouth	17,35N,2W	Crawford		x	x				B			
Trib. to Huzzah Cr.	C	1.0	Mouth	4,35N,2W	Crawford		x	x				B			
<i>[Trib. to Indian Cr.]</i> Todd Hollow	C	0.5	Mouth	34,35N,3W	Crawford		x	x				B			
Trib. to Indian Cr.	C	<i>[1.0]</i> 0.6	Mouth	6,40N,1E	Franklin		x	x				B			
Trib. to Indian Cr.	C	<i>[2.0]</i> 2.5	Mouth	15,40N,1W	Washington		x	x				B			
Trib. to Indian Cr.	C	1.1	<i>[Hwy W]</i> 27,35N,4E	27,35N,4E	St. Francois		x	x				B			
Trib. to Indian Cr.	C	0.3	Mouth	07,35N,01W	Washington		x	x				B			
Trib. to Indian Cr.	P	0.9	Mouth	<i>[Hwy W]</i> 27,35N,4E	St. Francois		x	x				B			

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Trib. to Indian Cr.	P	0.1	Mouth	35,42N,21W	Benton			x	x			B			
Trib. to Indian Cr.	C	[1.7] 1.9	Mouth	34,42N,20W	Benton			x	x			B			
Trib. to Indian Cr.	C	0.2	Mouth	12,40N,01W	Franklin			x	x			B			
Trib. to Indian Cr.	C	0.9	Mouth	[Hwy 42] 21,40N,9W	Maries			x	x			B			
Trib. to Indian Cr.	C	0.4	Mouth	32,38N,03W	Washington			x	x			B			
Trib. to James Cr.	C	1.0	Mouth	22,35N,3W	Crawford			x	x			B			
Trib. to Jenkins Cr.	C	[1.5] 1.8	7,27N,29W	[19,27N,29W] 20,27N,29W	Jasper	Newton		x	x			B			
Trib. to Joachim Cr.	C	1.0	Mouth	10,39N,4E	Jefferson			x	x			B			
Trib. to Johns Cr.	C	1.0	Mouth	23,36N,1W	Washington			x	x			B			
Trib. to Knobby Cr.	P	0.9	Mouth	[36,40N,20W] 35,40N,20W	Benton			x	x			B			
Trib. to L. Apple Cr.	C	0.5	Mouth	18,33N,12E	Cape Girardeau			x	x			B			
Trib. to L. Beaver Cr.	C	[2.0] 2.3	Mouth	[16,37N,8W] 15,37N,8W	Phelps			x	x				x		
Trib. to L. Berger Cr.	C	1.0	Mouth	4,45N,4W	Gasconade			x	x			B			
Trib. to L. Boeuf Cr.	C	[0.5] 0.3	Mouth	15,44N,2W	Franklin			x	x			B			
Trib. to L. Boeuf Cr.	C	[1.0] 1.2	Mouth	11,44N,2W	Franklin			x	x			B			
Trib. to L. Bourbeuse R.	C	[1.0] 1.2	Mouth	4,39N,4W	Crawford			x	x			B			
Trib. to L. Bourbeuse R.	C	2.0	Mouth	4,39N,4W	Crawford			x	x			B			
Trib. to L. Bourbeuse R.	C	0.1	Mouth	04,39N,07W	Maries			x	x			B			
Trib. to L. Bourbeuse R.	P	[1.0] 1.4	Mouth	02,39N,04W	Crawford			x	x			B			
Trib. to L. Clear Cr.	C	1.0	Mouth	2,36N,28W	St. Clair			x	x			B			
Trib. to L. Deer Cr.	C	[1.0] 0.4	Mouth	24,39N,21W	Benton			x	x			B			
[Trib. to L. Drywood Cr.] Trib. to L. Dry Wood Cr.	C	[1.1] 1.3	Mouth	02,34N,32W	Vernon			x	x			B			
Trib. to L. Finley Cr.	P	2.0	Mouth	7,28N,17W	Webster			x	x			B			
Trib. to L. Indian Cr.	C	1.0	Mouth	26,40N,1E	Washington			x	x			B			
Trib. to L. Maries Cr.	C	[1.0] 1.5	Mouth	30,42N,10W	Osage			x	x			B			
Trib. to L. Maries R.	C	0.5	Mouth	3,40N,10W	Maries			x	x			B			
Trib. to L. Maries R.	C	0.9	Mouth	11,39N,11W	Maries			x	x			B			
Trib. to L. Maries R.	C	[1.5] 1.8	Mouth	09,40N,10W	Maries			x	x			B			
Trib. to L. Maries R.	C	0.1	Mouth	09,38N,11W	Maries			x	x			B			
Trib. to L. Mill Cr.	C	0.6	Mouth	[24,38N,22W] 19,38N,21W	Hickory			x	x			B			
Trib. to L. Moniteau Cr.	C	3.0	Mouth	11,45N,15W	Moniteau			x	x			B			
Trib. to L. Muddy Cr.	C	2.9	Mouth	06,46N,22W	Pettis			x	x			B			
Trib. to L. Muddy Cr.	C	[2.0] 2.5	Mouth	04,46N,22W	Pettis			x	x			B			
Trib. to L. Muddy Cr.	C	[0.4] 1.0	Mouth	14,46N,22W	Pettis			x	x			B			
Trib. to L. N. Fk. Spring R.	C	[1.0] 1.2	Mouth	29,31N,32W	Barton			x	x			B			
[Trib. to L. Pomme de Terre] Trinity Hollow	P	1.6	Mouth	[09,38N,22W] 13,38N,23W	Benton	Hickory		x	x			B			
Trib. to L. Rocky Cr.	C	1.0	Mouth	1,28N,3W	Shannon			x	x			B			
Trib. to L. Sandy Cr.	C	[1.5] 2.1	Mouth	Sur 1686,51N,1W	Lincoln			x	x			B			
Trib. to L. Splice Cr.	C	1.0	Mouth	19,47N,14W	Moniteau			x	x			B			
Trib. to L. Tavern Cr.	C	1.1	Mouth	27,40N,11W	Maries			x	x			B			
[Trib. to L. Tavern Cr.] Meddleberger Br.	C	1.1	Mouth	34,40N,11W	Maries			x	x			B			

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Trib. to L. Tavern Cr.	C	1.3	Mouth	15,40N,11W	Maries			x	x			B			
Trib. to L. Tavern Cr.	C	1.2	Mouth	22,40N,11W	Maries			x	x			B			
Trib. to L. Tebo Cr.	C	1.5	Mouth	30,42N,22W	Benton			x	x			B			
Trib. to L. Tebo Cr.	C	0.9	Mouth	21,42N,22W	Benton			x	x			B			
Trib. to L. Turkey Cr.	C	[1.0] 1.4	Mouth	3,39N,22W	Benton			x	x			B			
Trib. to L. Weaubleau Cr.	C	0.5	Mouth	12,36N,23W	Hickory			x	x			B			
Trib. to Labadie Cr.	P	[2.0] 1.6	Mouth	6,43N,2E	Franklin			x	x			B			
Trib. to Labadie Cr.	C	[1.0] 0.5	Mouth	1,43N,1E	Franklin			x	x			B			
Trib. to Labadie Cr.	C	1.0	Mouth	32,44N,2E	Franklin			x	x			B			
Trib. to LaBarque Cr.	P	1.0	Mouth	4,42N,3E	Jefferson			x	x			B			
Trib. to Lake Cr.	C	1.2	Mouth	[20,43N,20W] 17,43N,20W	Benton			x	x			B			
Trib. to Lake Cr.	C	0.6	Mouth	09,43N,20W	Benton			x	x			B			
Trib. to Lake Cr.	C	[3.5] 4.0	Mouth	02,43N,20W	Pettis	Benton		x	x			B			
Trib. to Lake Niangua	C	[1.0] 0.7	Mouth	19,37N,17W	Camden			x	x			B			
Trib. to Lake of Ozarks	C	1.0	Mouth	17,40N,19W	Camden			x	x			B			
Trib. to Lake of Ozarks	C	[1.0] 0.8	Mouth	5,39N,19W	Camden			x	x			B			
Trib. to Lake of Ozarks	C	[0.5] 0.7	Mouth	[2,39N,19W] 11,39N,19W	Camden			x	x			B			
Trib. to Lick Cr.	C	[1.0] 1.2	Mouth	34,39N,4W	Crawford			x	x			B			
Trib. to Lick Log Cr.	C	1.0	Mouth	33,29N,8E	Bollinger			x	x			B			
[Trib. to Lincoln Cr.] Trib. To Nodaway R.	C	1.0	Mouth	13,60N,37W	Andrew			x	x			B			
Trib. to Lindley Cr.	C	3.0	Mouth	34,35N,20W	Dallas			x	x			B			
Trib. to Little Cr.	C	1.0	Mouth	18,24N,15W	Ozark			x	x			B			
Trib. to Lk. Wappapello	P	0.5	Mouth	8,27N,7E	Wayne			x	x			B			
Trib. to Lk. Wappapello	C	0.5	8,27N,7E	9,27N,7E	Wayne			x	x			B			
Trib. to Logan Cr.	C	1.0	Mouth	28,44N,13W	Cole			x	x			B			
Trib. to Long Br.	C	0.4	Mouth	07,45N,23W	Pettis			x	x			B			
Trib. to Lost Cr.	C	1.0	Mouth	18,37N,1E	Washington			x	x			B			
Trib. to Lost Cr.	C	1.0	Mouth	21,37N,1W	Washington			x	x			B			
Trib. to Loutre R.	C	4.0	Mouth	20,50N,7W	Audrain			x	x			B			
Trib. to Macks Cr.	C	1.0	Mouth	18,37N,18W	Camden			x	x			B			
Trib. to Macks Cr.	C	1.0	Mouth	6,37N,18W	Camden			x	x			B			
Trib. to Marble Cr.	C	0.5	Mouth	18,32N,5E	Madison			x	x			B			
Trib. to Marble Cr.	C	1.5	Mouth	22,33N,4E	Iron			x	x			B			
Trib. to Maries R.	C	[0.2] 0.4	Mouth	18,38N,10W	Maries			x	x			B			
Trib. to Maries R.	C	0.7	Mouth	14,38N,11W	Maries			x	x			B			
Trib. to Maries R.	C	1.7	Mouth	[Hwy V] 9,39N,10W	Maries			x	x			B			
Trib. to Maries R.	C	0.5	Mouth	06,39N,10W	Maries			x	x			B			
Trib. to Maries R.	C	2.5	Mouth	21,42N,10W	Osage			x	x			B			
Trib. to Massey Cr.	C	[3.0] 3.3	Mouth	33,45N,33W	Cass			x	x			B	x		
[Trib. to McKenzie Cr.] Greasy Cr	C	1.5	Mouth	11,29N,3E	Wayne			x	x			B			
[Trib. to McKenzie Cr.] Lick Br.	C	[2.0] 1.8	Mouth	27,29N,3E	Wayne			x	x			B			
Trib. to Meramec R.	C	[1.0] 0.8	Mouth	29,38N,5W	Crawford			x	x			B			

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Trib. to Meramec R.	C	[1.0] 1.4	Mouth	2,36N,5W	Crawford			x	x			B			
Trib. to Meramec R.	C	[1.0] 1.3	Mouth	23,36N,5W	Crawford			x	x			B			
Trib. to Meramec R.	C	[2.0] 1.5	Mouth	[26,36N,5W] 27,36N,5W	Crawford			x	x			B			
Trib. to Meramec R.	C	2.0	Mouth	30,36N,4W	Crawford			x	x			B			
Trib. to Meramec R.	C	1.0	Mouth	26,37N,5W	Crawford			x	x			B			
Trib. to Meramec R.	C	[1.0] 1.2	Mouth	8,37N,5W	Crawford			x	x			B			
Trib. to Meramec R.	C	[2.0] 2.4	Mouth	2,37N,5W	Crawford			x	x			B			
[Trib. to Meramec R.] Avery Hollow	C	0.9	Mouth	04,38N,03W	Crawford			x	x			B			
Trib. to Mill Cr.	C	[1.5] 1.8	Mouth	14,37N,15W	Camden			x	x			B			
Trib. to Mill Cr.	C	1.0	Mouth	33,51N,1W	Lincoln			x	x			B			
[Trib. to Mill Cr.] Trib. to W. Mill Cr.	C	[0.5] 0.8	Mouth	19,37N,3E	Washington			x	x						
Trib. to Mill Cr.	C	[1.0] 1.8	Mouth	13,66N,38W	Nodaway			x	x			B			
Trib. to Mill Cr.	C	0.3	Mouth	14,37N,21W	Hickory			x	x			B			
Trib. to Mill Cr.	C	[0.8] 0.6	Mouth	[16,37N,21W] 9,37N,21W	Hickory			x	x			B			
Trib. to Mill Cr.	C	0.1	Mouth	10,40N,08W	Maries			x	x			B			
Trib. to Mine a Breton Cr.	C	[1.0] 0.4	Mouth	24,37N,2E	Washington			x	x			B			
Trib. to Mineral Br.	C	0.5	Mouth	16,44N,15W	Moniteau			x	x			B			
Trib. to Mineral Cr.	C	1.0	Mouth	18,44N,25W	Johnson			x	x			B			
Trib. to Mineral Fk.	C	2.0	Mouth	33,39N,3E	Washington			x	x			B			
Trib. to Missouri R.	P1	[2.5] 3.0	Mouth	21,44N,1E	St. Charles			x	x			B			
Trib. to Missouri R.	C	[2.6] 3.1	Mouth	07,44N,01W	Franklin			x	x			B			
Trib. to Missouri R.	C	[6.0] 5.3	Mouth	[23,51N,23W] 14,51N,23W	Saline			x	x			B			
[Trib. to Missouri R.] Maupin Br.	C	[0.5] 1.6	[26,47N,14W] Mouth	[26,47N,14W] 35,47N,14W	Moniteau			x	x			B			
[Trib. to Missouri R.] Trib. to Maupin Br.	P	[1.5] 2.0	Mouth	26,47N,14W	Moniteau			x	x			B			
Trib. to Moreau R.	C	0.5	Mouth	06,43N,12W	Cole			x	x						
Trib. to Moss Cr.	P	0.5	Mouth	12,52N,24W	Carroll			x	x			B			
Trib. to Mud Cr.	C	[0.5] 0.8	Mouth	12,55N,26W	Caldwell			x	x			B			
Trib. to Mud Cr.	C	2.0	Mouth	24,55N,26W	Caldwell			x	x			B			
Trib. to Mud Cr.	C	1.0	Mouth	12,55N,26W	Caldwell			x	x			B			
Trib. to Muddy Cr.	C	1.7	Mouth	10,46N,21W	Pettis			x	x			B	x		
Trib. to Muddy Cr.	C	[1.3] 1.9	Mouth	06,45N,22W	Pettis			x	x			B			
Trib. to Muddy Cr.	C	1.1	Mouth	32,46N,22W	Pettis			x	x			B			
Trib. to Muddy Cr.	C	1.0	Mouth	04,45N,22W	Pettis			x	x			B			
Trib. to Muddy Cr.	C	[1.5] 2.5	Mouth	24,46N,23W	Pettis			x	x			B			
Trib. to Muddy Cr.	C	2.0	Mouth	29,60N,22W	Grundy			x	x			B			
Trib. to Murphy Cr.	C	0.5	Mouth	4,36N,14W	Camden			x	x			B			
Trib. to Murphy Cr.	C	1.0	Mouth	34,37N,14W	Camden			x	x			B			
Trib. to N. Fk. Cuivre R.	C	2.0	Mouth	25,51N,2W	Lincoln			x	x			B			
Trib. to N. Fk. Spring R.	C	[3.0] 5.3	Mouth	31,33N,30W	Barton			x	x			B			
Trib. to N. Fk. White R.	C	[1.0] 1.2	Mouth	34,23N,12W	Ozark			x	x			B			
Trib. to N. Indian Cr.	P	[1.5] 1.3	Mouth	19,24N,30W	Newton			x	x			B			

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<i>[Trib. to N. Moreau Cr.]</i> Wieneke Br.	C	1.0	Mouth	9,44N,14W	Moniteau			x	x						B
Trib. to N. Moreau Cr.	C	<i>[0.5]</i> 0.8	Mouth	23,44N,13W	Cole			x	x						B
Trib. to N. Moreau Cr.	C	0.5	Mouth	<i>[9,44N,13W]</i> 8,44N,13W	Cole			x	x						B
Trib. to N. Moreau Cr.	C	<i>[2.0]</i> 2.4	Mouth	33,45N,15W	Moniteau			x	x					<i>[B]</i>	
Trib. to N. Moreau Cr.	C	0.5	Mouth	4,44N,15W	Moniteau			x	x						B
Trib. to N. Moreau Cr.	C	2.0	Mouth	2,44N,16W	Moniteau			x	x						B
Trib. to N. Moreau Cr.	C	2.0	Mouth	12,44N,16W	Moniteau			x	x						B
Trib. to N. Moreau Cr.	C	2.0	Mouth	18,44N,15W	Moniteau			x	x						B
Trib. to Niangua R.	C	<i>[1.0]</i> 1.2	Mouth	17,37N,17W	Camden			x	x						B
Trib. to Nichols Cr.	C	<i>[1.0]</i> 1.3	Mouth	29,61N,37W	Holt			x	x						B
Trib. to North Cut Ditch	C	<i>[2.5]</i> 2.0	Mouth	36,29N,14E	Scott		x	x	x						B
Trib. to North Cut Ditch	C	4.0	Mouth	34,27N,14E	Scott		x	x	x						B
Trib. to Old Town Br.	C	<i>[1.3]</i> 1.7	Mouth	01,36N,31W	Vernon			x	x						B
Trib. to Omete Cr.	C	<i>[1.0]</i> 1.3	Mouth	16,35N,12E	Perry			x	x						B
Trib. to Osage Fk.	P	<i>[2.5]</i> 3.0	Mouth	29,30N,17W	Webster			x	x						B
Trib. to Osage R.	C	<i>[1.0]</i> 2.0	Mouth	9,43N,10W	Cole			x	x						B
Trib. to Osage R.	C	<i>[0.5]</i> 0.8	Mouth	9,42N,12W	Cole			x	x						B
Trib. to Panther Cr.	C	<i>[2.0]</i> 2.4	Mouth	23,57N,26W	Caldwell			x	x						B
Trib. to Peno Cr.	C	1.0	19,55N,3W	30,55N,3W	Pike			x	x						B
Trib. to Perche Cr.	C	<i>[1.5]</i> 2.0	Mouth	<i>[8,47N,13W]</i> 5,47N,13W	Boone			x	x					<i>[B]</i>	
Trib. to Perkins Cr.	C	2.0	Mouth	25,30N,8E	Bollinger			x	x						B
Trib. to Pierce Cr.	C	<i>[0.6]</i> 0.9	Mouth	31,41N,02E	Franklin			x	x						B
Trib. to Pierce Cr.	C	1.0	Mouth	06,40N,02E	Franklin			x	x						B
Trib. to Pippin Br.	C	1.5	Mouth	29,37N,20W	Hickory			x	x						B
Trib. to Pippin Br.	C	0.5	Mouth	26,37N,20W	Hickory			x	x						B
Trib. to Plattin Cr.	P	1.0	Mouth	13,39N,5E	Jefferson			x	x						B
<i>[Trib. to Pond Cr.]</i> Pond Cr.	C	1.0	Mouth	3,37N,3E	Washington			x	x						B
Trib. to Pond Cr.	C	1.0	Mouth	15,29N,8E	Bollinger			x	x						B
Trib. to Possum Hollow	P	0.5	Mouth	22,27N,7E	Wayne			x	x						B
Trib. to Possum Hollow	C	0.5	22,27N,7E	15,27N,7E	Wayne			x	x						B
<i>[Trib. to Possum Trot Hol.]</i> Mill Rock Cr.	C	<i>[1.0]</i> 1.3	Mouth	9,35N,2W	Crawford			x	x						B
Trib. to Prairie Cr.	C	1.0	Mouth	24,52N,35W	Platte			x	x						B
Trib. to Province Br.	C	1.0	Mouth	3,29N,25W	Lawrence			x	x						B
Trib. to Pruett Cr.	C	1.0	Mouth	21,38N,5W	Crawford			x	x						B
Trib. to Puncheon Cr.	C	1.5	Mouth	30,44N,5W	Gasconade			x	x						B
Trib. to Pyatt Hollow	C	<i>[1.0]</i> 1.5	Mouth	24,36N,3W	Crawford			x	x						B
Trib. to Raccoon Cr.	C	<i>[1.5]</i> 1.0	Mouth	9,61N,25W	Grundy			x	x						B
Trib. to Red Oak Cr.	P	0.5	Mouth	35,42N,05W	Gasconade			x	x						B
Trib. to Red Oak Cr.	C	<i>[1.5]</i> 1.9	35,42N,05W	27,42N,05W	Gasconade			x	x						
Trib. to Rings Cr.	C	1.0	Mouth	<i>[23,29N,4E]</i> 14,29N,4E	Wayne			x	x						B

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Trib. to Rings Cr.	C	0.5	Mouth	26,29N,4E	Wayne			x	x			B			
Trib. to Rockhouse Cr.	C	[2.5] 3.0	Mouth	34,23N,26W	Barry			x	x						
Trib. to S. Fk. Apple Cr.	C	[0.5] 0.8	Mouth	[34,34N,10E] 33,34N,10E	Perry			x	x			B			
[Trib. to S. Fk. Apple Cr.] Froggy Br.	C	[1.0] 1.2	Mouth	5,33N,11E	Cape Girardeau			x	x			B			
Trib. to S. Fk. Blackwater R.	C	[1.0] 1.3	Mouth	[04,46N,23W] 3,46N,23W	Pettis			x	x			B			
Trib. to S. Fk. Blackwater R.	C	[3.5] 3.9	Mouth	18,46N,28W	Johnson			x	x			B			
Trib. to S. Fk. Brush Cr.	C	1.7	Mouth	33,35N,24W	Polk			x	x			B			
Trib. to S. Fk. N. Fabius R.	C	[3.0] 4.1	Mouth	30,67N,14W	Schuyler			x	x			B			
Trib. to S. Fk. Saline Cr.	P	2.0	Mouth	3,34N,9E	Perry			x	x			B			
Trib. to S. Fk. Salt R.	C	0.5	Mouth	35,52N,9W	Audrain			x	x			B			
Trib. to S. Fk. Spring R.	P	1.0 [6.0] 7.0	Mouth Mouth	34,22N,8W 25,36N,24W	Howell St. Clair	Hickory		x x	x x			B B			
Trib. to S. Fk. Weaubleau Cr.	C											B			
Trib. to S. Flat Cr.	C	2.4	Mouth	24,43N,22W	Benton			x	x			B			
Trib. to S. Flat Cr.	C	1.1	Mouth	03,43N,21W	Pettis			x	x			B			
Trib. to S. Moreau Cr.	C	1.5	Mouth	29,42N,15W	Miller			x	x						
Trib. to S. Moreau Cr.	C	1.5	Mouth	28,43N,15W	Moniteau			x	x			B			
Trib. to S. Moreau Cr.	P	[1.0] 0.8	Mouth	31,43N,15W	Moniteau			x	x			B			
[Trib. to S. Moreau Cr.] Trib to Trib. to S. Moreau Cr.	C	[1.0] 1.2	Mouth	30,43N,15W	Moniteau			x	x			B			
Trib. to S. Moreau Cr.	C	[1.0] 1.5	31,43N,15W	25,43N,16W	Moniteau			x	x			B			
Trib. to S. Moreau Cr.	C	[0.5] 0.7	Mouth	25,43N,14W	Cole			x	x			B			
Trib. to S. Moreau Cr.	C	0.5	Mouth	[19,43N,13W] 24,43N,13W	Cole			x	x			B			
Trib. to Salt Cr.	C	[1.0] 1.3	Mouth	[9,38N,26W] 17,38N,26W	St. Clair			x	x			B			
Trib. to Sandy Cr.	P	0.1	Mouth	33,42N,04E	Jefferson			x	x			B			
Trib. to Sandy Cr.	P	0.2	Mouth	32,42N,04E	Jefferson			x	x			B			
Trib. to Schawanee Spr. Br.	C	[1.0] 1.2	Mouth	33,35N,11E	Perry			x	x			B			
Trib. to Sellars Cr.	C	1.0	Mouth	[31,37N,14W] 6,36N,14W	Camden			x	x			B			
Trib. to Shaver Cr.	C	0.9	Mouth	28,46N,20W	Pettis			x	x			B			
Trib. to Shaver Cr.	C	[0.8] 1.3	Mouth	[11,46N,20W] 14,46N,20W	Pettis			x	x			B			
Trib. to Shaver Cr.	C	[0.8] 1.1	Mouth	06,45N,20W	Pettis			x	x			B			
Trib. to Shibboleth Cr.	C	[1.0] 1.3	Mouth	[15,38N,3E] 9,38N,3E	Washington			x	x				x		
Trib. to Shoal Cr.	C	1.0	Mouth	34,37N,2W	Crawford			x	x			B			
Trib. to Shoal Cr.	C	0.5	Mouth	34,37N,2W	Crawford			x	x			B			
Trib. to Shoal Cr.	P	1.0	Mouth	10,26N,32W	Newton			x	x			B			
Trib. to Silver Fk.	C	1.5	Mouth	19,51N,11W	Boone			x	x			B			
Trib. to Silver Fk.	C	1.0	Mouth	28,50N,13W	Boone			x	x			B			
[Trib. to Spice Cr.] Thompson Br.	C	0.5	Mouth	5,47N,14W	Moniteau			x	x			B			

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Trib. to Spring Cr.	P	1.0	Mouth	18,26N,23W	Stone			x	x				B		
[Trib. to Spring Cr.] S. Fk. Spring Cr.	C	1.5	Mouth	13,26N,10W	Howell			x	x				B		
Trib. to Spring Cr.	C	[0.8] 1.1	Mouth	14,38N,08W	Phelps			x	x				B		
Trib. to Spring Cr.	P	0.8	14,38N,08W	10,38N,08W	Phelps			x	x				B		
Trib. to Spring Cr.	C	0.7	Mouth	26,35N,10W	Phelps			x	x				B		
Trib. to Spring Fk.	C	[1.6] 2.5	Mouth	02,43N,21W	Pettis	Benton		x	x				B		
Trib. to Spring Fk.	C	0.7	Mouth	36,44N,21W	Pettis			x	x				B		
Trib. to Spring R.	C	[3.5] 5.0	Mouth	23,29N,33W	Jasper			x	x				B		
Trib. to Spring R.	C	[1.0] 2.7	Mouth	[12,28N,28W] 1,28N,28W	Lawrence			x	x				B		
Trib. to Spring R.	C	1.0	16,28N,28W	15,28N,28W	Lawrence			x	x				B		
Trib. to Spring R.	P	[3.0] 2.8	Mouth	5,28N,28W	Lawrence			x	x				B		
Trib. to St. Francis R.	C	1.0	Mouth	9,35N,4E	St. Francois			x	x				B		
Trib. to St. Francis R.	C	1.0	Mouth	33,31N,5E	Madison			x	x				B		
Trib. to St. John's Cr.	C	1.5	Mouth	18,43N,2W	Franklin			x	x				B		
[Trib. to St. John's Cr.] Whisky Cr.	C	[2.0] 1.5	Mouth	18,43N,1W	Franklin			x	x				B		
[Trib. to St. John's Cr.] Long Br.	C	1.5	Mouth	25,44N,2W	Franklin			x	x				B		
Trib. to Stahl Cr.	C	[2.0] 2.6	Mouth	22,29N,27W	Lawrence			x	x				B		
Trib. to Starks Cr.	C	0.8	Mouth	19,37N,20W	Hickory			x	x				B		
Trib. to Starks Cr.	C	1.1	Mouth	[32,38N,20W] 29,38N,20W	Hickory			x	x				B		
Trib. to Starks Cr.	C	0.5	Mouth	18,37N,20W	Hickory			x	x				B		
Trib. to Starks Cr.	C	[1.7] 1.9	Mouth	18,38N,20W	Hickory			x	x				B		
Trib. to Starks Cr.	C	1.0	Mouth	02,37N,21W	Hickory			x	x				B		
Trib. to Stockton Br.	C	[1.5] 2.0	Mouth	6,34N,26W	Cedar			x	x				B		
Trib. to Stouts Cr.	C	0.5	Mouth	6,33N,5E	Madison			x	x				B		
Trib. to Stouts Cr.	C	1.0	Mouth	[5,33N,5E] 6,33N,5E	Madison			x	x				B		
Trib. to Stouts Cr.	C	1.3	Mouth	36,34N,03E	Iron			x	x				B		
Trib. to Strobel Br.	C	0.5	Mouth	1,44N,14W	Cole			x	x				B		
Trib. to Strobel Br.	C	0.5	Mouth	[36,45N,13W] 36,45N,14W	Cole			x	x				B	x	
Trib. to Sweetwater Br.	C	1.0	Mouth	19,34N,7E	Madison			x	x				B		
[Trib. to Table Rock Lk.] Big Cr.	C	[2.5] 2.0	Mouth	3,22N,25W	Barry			x	x				B		
Trib. to Tater Hill Cr.	C	2.0	Mouth	22,55N,24W	Carroll			x	x				B		
Trib. to Tavern Cr.	C	0.1	Mouth	01,44N,02E	Franklin			x	x				B		
[Trib. to Terre Bleue Cr.] Pike Run	P	1.8	Mouth	32,38N,05E	St. Francois			x	x				B		
[Trib. to Terre Bleue Cr.] Pike Run	C	0.9	32,38N,05E	28,38N,05E	St. Francois			x	x				B		
Trib. to Third Cr.	C	1.0	Mouth	5,42N,6W	Gasconade			x	x				B		
Trib. to Third Cr.	C	[0.5] 0.7	Mouth	6,42N,6W	Gasconade			x	x				B		
Trib. to Thomas Cr.	C	0.5	Mouth	26,36N,20W	Dallas			x	x				B		
Trib. to Trib. to Wolf Cr.	C	0.8	Mouth	[Hwy. 32] 32,36N,6E	St. Francois			x	x				B		

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Trib. to trib. to Heaths Cr.	C	[1.0] 1.5	Mouth	27,47N,22W	Pettis			x	x			B			
Trib. to Turkey Cr.	C	0.3	Mouth	09,38N,21W	Hickory			x	x			B			
Trib. to Turkey Cr.	C	[1.8] 2.4	Mouth	14,38N,21W	Hickory			x	x			B			
Trib. to Turkey Cr.	C	1.0	Mouth	23,38N,21W	Hickory			x	x			B			
Trib. to Turkey Cr.	C	0.5	Mouth	20,47N,21W	Pettis			x	x			B			
Trib. to Turkey Cr.	C	[1.9] 1.7	Mouth	33,39N,21W	Benton			x	x			B			
Trib. to Turkey Cr.	C	1.0	Mouth	29,57N,26W	Caldwell			x	x			B			
Trib. to Turkey Cr.	C	0.5	Mouth	17,59N,16W	Macon			x	x			B			
Trib. to Turnback Cr.	P	1.0	Mouth	24,29N,26W	Lawrence			x	x			B			
Trib. to Twelve Mile Cr.	C	1.0	Mouth	6,31N,7E	Madison			x	x			B			
Trib. to Unnamed trib to Atwell Cr.	C	0.6	Mouth	07,38N,11W	Maries			x	x			B			
Trib. to W. Fk. Clear Cr.	C	0.8	Mouth	35,36N,30W	Vernon			x	x			B			
Trib. to W. Fk. Finney Cr.	C	[0.5] 0.8	Mouth	7,49N,21W	Saline			x	x			B			
Trib. to W. Fk. Lost Cr.	C	0.5	Mouth	13,28N,6E	Wayne			x	x			B			
Trib. to W. Fk. Lost Cr.	C	[2.3] 2.8	Mouth	[Willow Brook Lk] Maysville Lake	Dekalb			x	x			B	x		
Trib. to W. Fk. Lost Cr.	C	[2.0] 2.6	Mouth	9,58N,31W	Dekalb			x	x			B			
Trib. to W. Fk. Niangua R.	P	1.5	Mouth	19,31N,18W	Webster			x	x			B			
Trib. to W. Fk. Postoak Cr.	C	[1.0] 1.4	Mouth	36,45N,27W	Johnson			x	x			B			
Trib. to W. Fk. Roubidoux Cr.	C	[2.0] 2.2	Mouth	[32,31N,11W] 33,31N,11W	Texas			x	x			B			
Trib. to W. Muddy Cr.	P	0.5	Mouth	31,64N,24W	Mercer			x	x			B			
Trib. to Wade Cr.	C	2.0	Mouth	33,44N,25W	Henry			x	x			B			
Trib. to Wallace Cr.	P	1.8	Mouth	07,40N,06W	Gasconade			x	x			B			
Trib. to Wallen Cr.	P	1.0	Mouth	4,36N,3E	Washington			x	x			B			
Trib. to Wallen Cr.	C	[2.0] 1.5	4,36N,3E	32,37N,3E	Washington			x	x			B			
Trib. to Watery Fk.	C	1.0	Mouth	5,34N,4W	Dent			x	x			B			
Trib. to Weaubleau Cr.	C	0.5	Mouth	3,35N,23W	Hickory			x	x			B			
Trib. to Weaubleau Cr.	C	1.3	Mouth	02,35N,23W	Hickory			x	x			B			
Trib. to Weaubleau Cr.	C	[1.1] 1.3	Mouth	26,36N,23W	Hickory			x	x			B			
Trib. to Weaubleau Cr.	C	1.5	Mouth	23,36N,23W	Hickory			x	x			B			
[Trib. to Weaubleau Cr.]	C	0.8	Mouth	15,36N,23W	Hickory			x	x			B			
Trib. to Trib. to Weaubleau Cr.															
Trib. to Weaubleau Cr.	C	[0.5] 0.8	Mouth	19,36N,23W	Hickory			x	x			B			
Trib. to Weidensaul Holl.	C	1.0	Mouth	35,23N,13W	Ozark			x	x			B			
Trib. to White Oak Cr.	C	0.5	Mouth	25,42N,13W	Cole			x	x			B			
Trib. to White Oak Cr.	C	[5.0] 6.3	Mouth	[Hwy. 97] 24,29N,28W	Lawrence			x	x			B			
Trib. to Whitewater R.	C	[1.5] 1.7	Mouth	3,30N,11E	Cape Girardeau			x	x			B			
Trib. to Whittenburg Cr.	C	1.0	Mouth	12,37N,4W	Crawford			x	x			B			
Trib. to Wildcat Cr.	C	2.0	Mouth	30,63N,32W	Gentry			x	x			B			
Trib. to Wildcat Cr.	C	2.0	Mouth	32,63N,33W	Nodaway			x	x			[B]			
Trib. to Williams Cr.	P	1.0	Mouth	Sur 256,30N,13E	Cape Girardeau			x	x			B			
Trib. to Willow Fk.	C	0.5	Mouth	27,45N,17W	Moniteau			x	x						
Trib. to Wolf Cr.	P	1.1	Mouth	[Hwy. 32] 32,36N,6E	St. Francois			x	x			B			
Trib. to Wolf Cr.	C	1.5	[Hwy. 32] 32,36N,6E	[Hwy. D] 349,36N,6E	St. Francois			x	x			B			

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Trib. to Workman Cr.	P	0.5	Mouth	13,45N,13W	Cole			x	x			B			
Trib. to Yadkin Cr.	C	[3.5] 3.7	Mouth	[7,37N,4W] 12,37N,5W	Crawford			x	x			B			
Trib. to Yellow Cr.	C	1.0	Mouth	32,38N,26W	St. Clair			x	x			B			
Troesser Cr.	C	[0.2] 0.7	Mouth	[Hwy C] 18,44N,8W	Osage			x	x			B			
Troublesome Cr.	P	[3.5] 4.8	Mouth	15,59N,7W	Marion			x	x			B		x	
Troublesome Cr.	C	[34.0] 41.3	15,59N,7W	5,61N,10W	Marion	Knox		x	x			B	x		
Truitt Cr.	P	1.5	Mouth	23,28N,27W	Lawrence			x	x			B			
Truitt Cr.	C	[5.0] 6.4	23,28N,27W	32,29N,26W	Lawrence			x	x			[B]			
Tub Cr.	C	1.0	Mouth	31,56N,28W	Caldwell			x	x			B			
Tunas Br.	C	[3.0] 2.7	Mouth	33,36N,19W	Dallas			x	x			B			
Tuque Cr.	P	[3.5] 5.4	Mouth	16,45N,1W	Warren			x	x			B	x		
Tuque Cr.	C	[3.5] 2.3	16,45N,1W	3,45N,1W	Warren			x	x			B			
Turkey Cr.	P	[16.2] 17.9	Mouth	05,38N,21W	Benton			x	x	x		B			
Turkey Cr.	C	[15.0] 15.9	Mouth	[34,35N,25W] 21,35N,25W	St. Clair	Cedar		x	x			A			
Turkey Cr.	P	[5.5] 6.0	Mouth	[Hwy. 215] 27,32N,24W	Polk			x	x			B			
[Turkey Cr.] Trib. to Turkey Cr.	C	[2.5] 2.2	[Hwy. 215] Mouth	2,31N,24W	Polk			x	x			B			
Turkey Cr.	C	[2.0] 3.3	Mouth	[Hwy. 15] 3,53N,10W	Monroe			x	x			B			
Turkey Cr.	P	2.0	Mouth	32,33N,14E	Cape Girardeau			x	x			B			
Turkey Cr.	C	[2.0] 2.2	32,33N,14E	36,33N,13E	Cape Girardeau			x	x			B			
Turkey Cr.	C	1.5	Mouth	21,49N,2W	Lincoln			x	x			B	x		
Turkey Cr.	C	[1.0] 1.4	Mouth	Sur 3022,40N,2E	Washington			x	x			B			
Turkey Cr.	P	[2.0] 2.6	Mouth	16,22N,21W	Taney			x	x		x	B	x		
Turkey Cr.	C	4.0	16,22N,21W	4,21N,21W	Taney			x	x			B			
Turkey Cr.	C	[9.0] 9.9	Mouth	15,24N,15W	Ozark			x	x			B			
Turkey Cr.	C	[2.0] 2.6	Mouth	22,22N,16W	Ozark			x	x			B			
Turkey Cr.	C	1.5	Mouth	9,26N,15W	Douglas			x	x			B			
Turkey Cr.	C	[4.0] 4.5	Mouth	36,34N,5E	Madison			x	x			B			
Turkey Cr.	C	[2.5] 3.1	Mouth	34,27N,8E	Stoddard			x	x				x		
Turkey Cr.	P	[7.0] 7.7	State Line	35,28N,33W	Jasper			x	x			B			
Turkey Cr.	P	[5.0] 6.1	35,28N,33W	9,27N,32W	Jasper			x	x			A			
Turkey Cr.	P	2.4	Mouth	Hwy. 47	St. Francois			x	x			B			
Turkey Cr.	P	[5.0] 4.7	Mouth	14,53N,25W	Carroll			x	x			B			
Turkey Cr.	C	3.5	14,53N,25W	34,54N,25W	Carroll			x	x			B			
Turkey Cr.	C	5.8	05,38N,21W	22,38N,21W	Benton	Hickory		x	x			B			
Turkey Cr.	C	[1.5] 1.8	Mouth	26,62N,33W	Gentry			x	x			B			
Turkey Cr.	C	2.5	Mouth	33,57N,26W	Caldwell			x	x			B			
Turkey Cr.	C	[12.0] 14.4	Mouth	Hwy. 36	Chariton	Linn		x	x			B			
Turkey Cr.	C	[3.0] 3.5	Mouth	12,66N,17W	Putnam			x	x			B			
Turkey Cr.	C	[2.0] 2.4	Mouth	17,59N,16W	Macon			x	x			B			
Turkey Cr.	C	[3.0] 3.3	Mouth	3,44N,11W	Callaway			x	x			B			

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Turkey Cr.	C	[5.0] 6.3	Mouth	[Hwy. 63] 14,47N,12W	Boone			x	x			A			
Turkey Cr.	C	[2.6] 2.9	Mouth	20,47N,21W	Pettis			x	x			B			
Turkey Cr.	C	[1.5] 1.7	Mouth	Sur 3243(3), 55N,5W	Ralls			x	x			B			
Turkey Cr.	P	1.0	Mouth	32,34N,8E	Madison			x	x			B			
Turkey Cr.	P	[8.0] 7.3	Mouth	21,30N,7E	Wayne			x	x			B			
Turnback Cr.	P	[19.5] 16.0	Mouth	35,30N,26W	Dade			x	x			A			
Turnback Cr.	P	[14.0] 19.9	35,30N,26W	24,28N,25W	Dade	Lawrence		x	x		x	A	x		
Turnbo Cr.	P	[6.5] 6.8	Mouth	16,30N,18W	Webster			x	x			B			
Turner Cr.	P	[4.0] 4.5	Mouth	33,29N,20W	Greene			x	x			B			
Turtle Spr. Br.	C	[3.0] 3.3	Mouth	23,45N,14W	Moniteau			x	x			B			
[Tutt Br.] Coalbank Cr.	C	[2.0] 1.8	Mouth	27,47N,17W	Cooper			x	x			B			
Twelve Mile Cr.	P	[7.5] 8.4	Mouth	12,31N,6E	Madison			x	x	x		A			
Twelve Mile Cr.	C	[6.0] 6.8	12,31N,6E	17,32N,7E	Madison			x	x	x		B	x		
Twomile Cr.	C	[2.0] 2.6	Mouth	28,36N,32W	Vernon			x	x			B			
Tyler Br.	C	[2.5] 1.7	36,35N,10E	34,35N,10E	Perry			x	x			B			
Tyrey Cr.	P	0.8	12,40N,02E	11,40N,02E	Jefferson			x	x			B			
Upper Peavine Cr.	C	[2.0] 2.2	Mouth	15,40N,7W	Maries			x	x			B			
Van Meter Ditch	C	4.5	24,52N,22W	4,51N,22W	Saline			x	x			B			
Vance Br.	C	0.5	Mouth	05,39N,22W	Benton			x	x			B			
Varney R. Ditch	P	14.0	12,17N,7E	34,19N,9E	Dunklin			x	x			B			
Varney R. Ditch	C	[8.0] 10.0	34,19N,9E	35,20N,9E	Dunklin			x	x			B			
Village Cr.	P	[1.5] 1.9	Mouth	[5,33N,7E] Sur 3323,33N,7E	Madison			x	x			B			
Village Cr.	C	3.0	[5,33N,7E] Sur 3323, 33N,7E	34,34N,7E	Madison			x	x			B			
Virgin Cr.	C	[1.0] 1.2	Mouth	15,29N,9E	Bollinger			x	x			B			
W. Br. Clark Fk.	C	4.0	Mouth	8,47N,16W	Cooper			x	x			B			
W. Br. Crawford Cr.	C	[12.2] 14.7	Mouth	21,47N,30W	Jackson			x	x			B			
W. Br. Mill Cr.	C	[0.5] 1.0	18,37N,3E	19,37N,3E	Washington			x	x			B			
W. Cow Cr.	C	[4.0] 4.4	[25,51N,21W] Mouth	11,51N,21W	Saline			x	x			B			
W. Elk Fk.	C	2.5	Mouth	[05,44N,28W] 05,44N,23W	Pettis			x	x			B			
W. Fk. Bear Cr.	P	[2.0] 2.8	Mouth	9,29N,6E	Wayne			x	x			B			
W. Fk. Bear Cr.	C	1.0	9,29N,6E	8,29N,6E	Wayne			x	x			B			
W. Fk. Bee Br.	C	[7.0] 6.5	Mouth	21,56N,17W	Chariton			x	x			B			
W. Fk. Benton Cr.	C	2.5	Mouth	7,36N,5W	Crawford			x	x			B			
W. Fk. Big Cr.	C	3.0	Mouth	3,22N,17W	Taney			x	x			B			
W. Fk. Big Cr.	P	18.0	9,63N,28W	34,65N,28W	Harrison			x	x			B			
W. Fk. Big Cr.	C	14.0	34,65N,28W	22,66N,28W	Harrison			x	x			B			
W. Fk. Big Cr.	P	[1.0] 1.4	Mouth	31,31N,7E	Madison			x	x			B			
W. Fk. Big Cr.	C	1.5	31,31N,7E	36,31N,6E	Madison			x	x			B			
W. Fk. Black R.	P	[31.7] 32.3	Mouth	25, 33N,03W	Reynolds			x	x	x		A			
W. Fk. Black R.	C	0.5	25,32N,3W	26,32N,3W	Reynolds			x	x			B			

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W. Fk. Bull Cr.	C	4.0	Mouth	8,26N,20W	Christian			x	x			B			
W. Fk. Clear Cr.	C	[12.1] 14.0	Mouth	17,35N,30W	Vernon			x	x			B			
W. Fk. Crooked R.	P	[5.0] 6.6	Mouth	[Hwy. 13] 19,52N,27W	Ray		x	x	x			B			
W. Fk. Crooked R.	C	[6.0] 9.8	[Hwy. 13] 19,52N,27W	18,52N,28W	Ray			x	x			B			
W. Fk. Cuivre R.	P	[35.0] 42.4	11,49N,1W	Pike Co. Line	Lincoln	Montgomery		x	x			A			
W. Fk. Cuivre R.	C	[17.0] 23.9	[Pike Co. Line] 6,50N,4W	[Hwy. 54] 14,51N,7W	Pike	Audrain		x	x			B			
[W. Fk. Drywood Cr.] W. Fk. Dry Wood Cr.	C	[5.5] 8.1	Mouth	State Line	Vernon			x	x			B			
W. Fk. East Cr.	C	[5.0] 4.8	Mouth	26,46N,33W	Cass			x	x			B			
W. Fk. Finney Cr.	C	[4.5] 4.0	[17,49N,21W] 20,49N,21W	6,49N,21W	Saline			x	x			B			
W. Fk. Fourche Cr.	P	[9.0] 9.7	Mouth	15,22N,1W	Ripley			x	x	x		B			
W. Fk. Fourche Cr.	C	2.0	15,22N,1W	[Hwy. 142] 8,22N,1W	Ripley			x	x	x		B			
[W. Fk. Honey Cr.] W. Honey Cr.	C	[12.5] 14.0	[29,63N,23W] Mouth	34,65N,23W	Grundy	Mercer		x	x			B	x		
W. Fk. Huzzah Cr.	P	[5.0] 5.5	1,34N,3W	22,34N,3W	Dent			x	x			A			
W. Fk. Huzzah Cr.	C	2.0	22,34N,3W	28,34N,3W	Dent			x	x			B			
W. Fk. Jones Cr.	P	[0.5] 0.7	Mouth	16,41N,03E	Jefferson			x	x			B			
W. Fk. Limestone Cr.	C	[3.0] 3.2	Mouth	10,30N,27W	Dade			x	x			B			
[W. Fk. Locust Cr.] W. Locust Cr.	P	17.0	Mouth	[Hwy. 6] 25,62N,21W	Linn	Sullivan		x	x			B			
W. Fk. Locust Cr.	C	17.0	Hwy. 6	33,64N,21W	Sullivan			x	x						
W. Fk. Lost Cr.	P	[4.0] 4.4	Mouth	25,28N,7E	Wayne			x	x			B			
W. Fk. Lost Cr.	C	[4.0] 4.2	[25,28N,7E] 25,28N,6E	16,28N,6E	Wayne			x	x			B			
W. Fk. Lost Cr.	C	[10.0] 11.7	Mouth	27,58N,31W	Dekalb			x	x			B			
[W. Fk. Medicine Cr.] L. Medicine Cr.	P	[40.0] 39.8	[9,61N,22W] Mouth	State Line	Grundy	Mercer		x	x			B			
W. Fk. Niangua R.	P	7.0	33,32N,18W	33,31N,18W	Webster			x	x			B			
[W. Fk. Postoak Cr.] W. Fk. Post Oak Cr.	C	[13.0] 12.8	Mouth	22,45N,27W	Johnson			x	x			B	x		
W. Fk. Roark Cr.	C	[3.0] 3.5	15,23N,22W	7,23N,22W	Taney	Stone	x	x	x			B			
W. Fk. Roubidoux Cr.	P	3.0	4,31N,11W	17,31N,11W	Texas			x	x			B			
W. Fk. Roubidoux Cr.	C	2.0	17,31N,11W	30,31N,11W	Texas			x	x			B			
W. Fk. Sni-a-bar Cr.	P	[6.0] 9.0	Mouth	Lk Lotawana Dam	Jackson			x	x			B			
[W. Fk. Spring R.] W. Fk. Spring Cr.	P	2.5	Mouth	31,22N,8W	Howell			x	x			B			
W. Fk. Spring R.	C	[9.5] 8.7	31,22N,8W	10,22N,9W	Howell			x	x			B			
W. Fk. Tebo Cr.	C	[7.0] 6.8	Mouth	Hwy. 52	Henry			x	x			B			
W. Fk. Wakenda Cr.	P	[3.0] 3.3	Mouth	6,52N,25W	Carroll			x	x			B			
W. Fk. Wakenda Cr.	C	[6.0] 7.8	[6,52N,26W] 6,52N,25W	20,53N,26W	Ray			x	x			B			
W. High Cr.	C	[3.0] 2.8	Mouth	10,66N,41W	Atchison		x	x	x			B			
[W. Lick Cr.] Elm Br.	C	3.0	Mouth	27,53N,8W	Monroe			x	x			B			
W. Muddy Cr.	P	[6.5] 8.0	Mouth	6,63N,24W	Grundy	Mercer		x	x			B			

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W. Muddy Cr.	C	[7.5] 8.5	6,63N,24W	31,65N,24W	Mercer			x	x			B			
W. Piney Cr.	P	[11.0] 13.1	Mouth	33,30N,11W	Texas			x	x			B			
W. Piney Cr.	C	2.0	33,30N,11W	5,29N,11W	Texas			x	x			B			
W. Tarkio Cr.	P	[1.0] 1.2	Mouth	14,65N,40W	Atchison		x	x	x			B		x	
W. Tarkio Cr.	C	[10.0] 9.6	14,65N,40W	State Line	Atchison		x	x	x			B			
W. Yellow Cr.	C	[14.0] 17.2	14,61N,19W	14,63N,19W	Sullivan			x	x			B		x	
Wachita Cr.	C	0.5	Mouth	28,34N,5E	Madison			x	x			B			
[Wades Cr.] Wade Cr.	C	[8.0] 5.4	Mouth	[33,44N,25W] 9,43N,25W	Henry			x	x			B			
Wakenda Cr.	P	[28.0] 29.2	Mouth	4,52N,25W	Carroll			x	x			B			
Wakenda Cr.	C	[11.0] 10.6	4,52N,25W	33,54N,26W	Carroll			x	x			B			
Wallace Cr.	P	[3.0] 3.3	Mouth	05,40N,06W	Gasconade			x	x			B			
Wallace Cr.	C	1.9	05,40N,06W	07,40N,06W	Gasconade			x	x			B			
Wallen Cr.	P	[2.5] 1.4	Mouth	9,36N,3E	Washington			x	x			B			
Wallen Cr.	C	[2.0] 3.0	9,36N,3E	6,36N,3E	Washington			x	x			B		x	
Wallen Cr.	C	[1.5] 1.1	Mouth	27,36N,3E	Washington			x	x			B			
Walnut Cr.	C	[9.0] 10.1	Mouth	28,39N,33W	Bates			x	x			B			
Walnut Cr.	P	[3.5] 2.3	Mouth	17,36N,28W	St. Clair	Cedar		x	x			B			
Walnut Cr.	C	[3.4] 3.6	25,45N,21W	2,44N,21W	Pettis			x	x			B			
[Walnut Cr.] Walnut Br.	C	[2.5] 2.7	Mouth	12,45N,23W	Pettis			x	x			B			
Walnut Cr.	C	[1.6] 2.3	Mouth	03,34N,30W	Vernon			x	x			B			
Walnut Cr.	C	[14.0] 15.7	Mouth	2,61N,17W	Macon	Adair		x	x			B			
Walnut Cr.	C	[2.5] 3.5	Mouth	20,55N,14W	Randolph			x	x			[B]		x	
Walnut Cr.	P	[1.1] 1.3	Mouth	25,45N,21W	Pettis			x	x			B			
Walnut Cr.	C	[2.0] 2.7	Mouth	27,47N,26W	Johnson			x	x			B			
Walnut Cr.	C	[11.0] 11.9	Mouth	14,46N,24W	Johnson			x	x			B		x	
Walnut Fk.	C	[4.0] 4.3	Mouth	22,62N,32W	Gentry			x	x			B			
Wamsley Cr.	C	[1.5] 1.7	Mouth	27,58N,30W	Dekalb			x	x					x	
Ward Br.	P	3.3	Mouth	13,28N,22W	Greene			x	x			B			
Wardens Br.	C	1.0	Mouth	18,46N,5W	Montgomery			x	x			B			
Warm Fk. Spring R.	P	[12.0] 13.8	State Line	25,23N,06W	Oregon		x	x	x			A		x	
Warm Fk. Spring R.	C	[10.0] 9.4	25,23N,06W	8,23N,6W	Oregon			x	x			B			
Warren Br.	P	1.5	State Line	36,26N,34W	Newton			x	x			B			
Warren Br.	C	1.5	36,26N,34W	[Hwy. 43] 29,26N,33W	Newton			x	x			B			
Wash Cr.	P	[1.0] 1.2	Mouth	27,32N,8E	Madison			x	x			B			
Wash Cr.	C	0.5	27,32N,8E	[27,32N,8E] 26,32N,8E	Madison			x	x			B			
Watery Fk.	P	[5.0] 5.8	Mouth	12,34N,4W	Dent			x	x			B			
Watkins Cr.	C	[3.5] 1.4	Mouth	Hwy. 270	St. Louis City	St. Louis		x	x			B			
Watson Br.	C	1.0	Mouth	20,39N,1E	Washington			x	x			B			
Weaubleau Cr.	P	[29.4] 30.7	Mouth	03,35N,23W	St. Clair	Hickory		x	x			A		x	
Web Cr.	P	[5.5] 4.7	Mouth	5,28N,2E	Reynolds			x	x			B			
Web Valley	P	3.0	Mouth	11,28N,2E	Reynolds			x	x			B			
Weidensaul Hollow	C	3.0	Mouth	[27,23N,13W] 26,23N,13W	Ozark			x	x			B			
Weldon Br.	C	[4.0] 4.4	Mouth	8,63N,30W	Gentry			x	x			B			
Weldon R.	P	[42.0] 43.4	Mouth	State Line	Grundy	Mercer		x	x			B			

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[Wellson Slough] Harpst Chute	P	[5.9] 5.5	Mouth	[Hwy. 45] 30,54N,36W	Platte			x	x			B			
[West Br.] West Elm Br.	P	[1.0] 1.1	[21,33N,33W] Mouth	29,33N,33W	Barton			x	x			B			
West Ditch	P	10.5	31,18N,10E	8,19N,10E	Dunklin			x	x			B			
West Fk.	P	1.0	Mouth	7,34N,23W	Polk			x	x			B			
West Fk.	C	3.0	Mouth	14,38N,5E	[St. Francois] Jefferson	[Jefferson] St. Francois		x	x			B			
West Fk.	C	[5.0] 6.8	Mouth	8,31N,31W	Barton			x	x			B			
[West Prong] West Prong Indian Cr.	C	2.0	6,25N,7E	36,26N,6E	Butler			x	x			B			
Wet Fk.	C	[1.0] 1.5	Mouth	5,28N,5E	Wayne			x	x			B			
Wet Fk.	P	[2.0] 2.4	Mouth	[32,27N,6E] 29,27N,6E	Wayne			x	x			B			
Wet Glaize Cr.	P	[10.0] 9.6	24,38N,15W	20,37N,14W	Camden			x	x			A	x		
Wheeler Cr.	C	[2.0] 2.4	Mouth	31,58N,30W	Dekalb			x	x			B			
Whetstone Cr.	P	[13.0] 12.2	Mouth	21,29N,13W	Wright			x	x	x		B			
[Whetstone Cr.] East Whetstone Cr.	C	[3.5] 5.5	21,29N,13W	6,28N,12W	Wright			x	x			B			
Whetstone Cr.	P	1.5	Mouth	7,48N,6W	Montgomery			x	x			B			
Whetstone Cr.	C	[8.0] 10.8	7,48N,6W	1,48N,8W	Callaway			x	x			B			
Whippoorwill Cr.	C	[2.0] 2.3	Mouth	16,47N,5W	Montgomery			x	x			B			
Whitcomb Br.	C	2.5	Mouth	36,49N,1W	Lincoln			x	x			B			
White Br.	C	[3.0] 3.4	Mouth	32,36N,31W	Vernon			x	x			B			
White Cloud Cr.	P	[11.0] 13.2	Mouth	24,63N,36W	Andrew	Nodaway		x	x			B			
White Cloud Cr.	C	[9.0] 12.8	24,63N,36W	11,64N,36W	Nodaway			x	x			B			
[White Cr.] Whites Cr.	P	[2.5] 4.5	Mouth	9,24N,2W	Oregon			x	x			B			
White Cr.	C	[2.0] 3.5	9,24N,2W	4,24N,2W	Oregon			x	x			B			
White Oak Cr.	C	[3.0] 4.0	Mouth	30,42N,12W	Cole			x	x			B			
White Oak Cr.	C	[3.0] 3.9	Mouth	28,42N,28W	Henry			x	x			B			
White Oak Cr.	C	[2.0] 2.6	Mouth	33,50N,5W	Montgomery			x	x			B			
White Oak Cr.	C	[15.0] 18.0	Mouth	[Hwy. 97] 2,29N,28W	Jasper	Lawrence	x	x	x			A			
White Oak Cr.	C	9.0	Mouth	Hwy. 136	Harrison			x	x			B			
White Oak Hollow	C	2.0	Mouth	28,32N,5W	Dent			x	x			B			
Whitener Cr.	P	0.5	Mouth	28,32N,8E	Madison			x	x			B			
Whitener Cr.	C	[1.0] 1.5	28,32N,8E	22,32N,8E	Madison			x	x			B			
Whites Cr.	P	2.0	Mouth	26,39N,2W	Crawford			x	x			B			
Whites Cr.	C	1.0	26,39N,2W	35,39N,2W	Crawford			x	x			B			
Whites Cr.	C	3.0	Mouth	33,26N,15W	Douglas			x	x			B			
Whitewater R.	P	35.0	Mouth	29, 33N,11E	Cape Girardeau			x	x			A			
Whitewater R.	P	[14.0] 18.0	[30,33N,11E] 29,33N,11E	29,34N,9E	Bollinger	Perry		x	x	x		A	x		
Whitewater R.	C	[6.5] 5.9	29,34N,9E	10,34N,8E	Perry	St. Francois		x	x			B			
Whitewater R.	P	[7.0] 5.0	31,28N,12E	6,28N,12E	Scott		x	x	x			B			
Whitewater R.	C	[4.0] 5.2	6,28N,12E	18,29N,12E	Scott	Cape Girardeau		x	x			B			

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Whittenburg Cr.	P	[2.5] 2.8	Mouth	[Hwy. 8] 35,38N,4W	Crawford			x	x		x	B			
Whittenburg Cr.	C	5.0	[Hwy. 8] 35,38N,4W	[Hwy. 19] 1,37N,4W	Crawford			x	x			B			
Wiemer Cr.	P	[2.0] 2.3	11,40N,12W	23,40N,12W	Miller			x	x			B			
Wiemer Cr.	C	4.0	23,40N,12W	[Hwy. 42] 2,39N,12W	Miller			x	x			B			
Wildcat Cr.	C	[3.0] 4.0	Mouth	3,62N,39W	Holt			x	x			B			
Wildcat Cr.	C	[7.0] 7.4	6,62N,32W	8,63N,33W	Gentry	Nodaway		x	x						
Wildcat Cr.	P	[6.0] 6.2	Mouth	6,62N,32W	Gentry			x	x			B			
Wildhorse Cr.	C	[2.0] 3.9	Mouth	29,45N,3E	St. Louis			x	x			B			
Wilkerson Cr.	C	[6.9] 7.3	Mouth	07,52N,32W	Clay			x	x			B	x		
Wilkerson Ditch	C	4.0	[16,23N,16E] 9,23N,16E	28,24N,16E	Mississippi			x	x			B			
Williams Cr.	P	[5.0] 5.2	Mouth	11,42N,21W	Benton			x	x	x		B			
Williams Cr.	P	[8.0] 9.8	Mouth	[Hwy. 55] Sur 202,31N,13E	Cape Girardeau			x	x			B			
Williams Cr.	C	2.0	[Hwy. 55] Sur 202, 31N,13E	[Sur 800,32N,13E] Sur 202,31N,13E	Cape Girardeau			x	x			B			
Williams Cr.	C	[4.5] 4.7	Mouth	18,27N,5E	Wayne			x	x			B			
Williams Cr.	P	1.0	Mouth	28,28N,27W	Lawrence			x	x		x	A			
Williams Cr.	P	[7.0] 8.5	28,28N,27W	34,28N,26W	Lawrence			x	x			A			
Williams Cr.	C	1.5	34,28N,26W	35,28N,26W	Lawrence			x	x			B			
Williams Cr.	C	3.4	11,42N,21W	05,42N,20W	Benton			x	x			B			
Williams Cr.	P	1.0	Mouth	[I-44] Sur 880,44N,5E	St. Louis			x	x			B			
Williams Cr.	C	[6.0] 9.1	Mouth	21,53N,30W	Clay			x	x			B			
Willow Br.	P	[1.5] 2.2	Mouth	2,25N,33W	Newton			x	x			B			
Willow Br.	C	[1.9] 2.1	Mouth	05,37N,31W	Vernon			x	x			B			
Willow Cr.	C	[2.0] 2.2	Mouth	[18,23N,10W] 19,23N,10W	Ozark	Howell		x	x			B			
Willow Cr.	C	6.5	Mouth	[16,51N,27W] 7,51N,27W	Ray			x	x			B			
Willow Cr.	C	1.0	Mouth	35,61N,32W	Gentry			x	x			B			
Willow Cr.	C	1.5	Mouth	35,55N,26W	Caldwell			x	x			B			
Willow Fk.	P	[3.0] 2.8	4,44N,16W	36,45N,17W	Moniteau			x	x			A			
Willow Fk.	C	[6.5] 6.8	36,45N,17W	29,45N,17W	Moniteau			x	x			B			
Wilmore Cr.	C	[1.0] 1.3	Mouth	[7,30N,6E] 8,30N,6E	Wayne			x	x			A			
Wilson Br.	C	[1.2] 2.4	Mouth	12,35N,30W	Vernon			x	x			B			
[Wilson Cr.] Wilsons Cr.	P	[18.0] 14.0	Mouth	[16,29N,22W] 27,29N,22W	Christian	Greene		x	x			B			
[Wilson Cr.] Trib. To N. Br. Wilson Cr.	C	1.3	16,29N,22W	10,29N,22W	Greene			x	x			B			
Wilson Run	C	2.5	Mouth	17,24N,23W	Stone			x	x			B			
[Winnegan Cr.] Winigan Cr.	C	7.0	Mouth	5,59N,18W	Linn			x	x			B			
[Winn's Cr.] Winn Br.	C	5.0	[15,56N,13W] Mouth	21,57N,13W	Macon			x	x			B			
Wolf Cr.	C	[9.0] 9.3	Mouth	16,28N,15W	Wright			x	x			B	x		

IRR LWW AQL CLF CDF WBC SCR DWS IND

IRR-Irrigation

LWW-Livestock & Wildlife Watering

AQL-Protection of Warm Water Aquatic Life
and Human Health Fish Consumption

CLF-Cool Water Fishery

CDF-Cold Water Fishery

WBC-Whole Body Contact Recreation

SCR-Secondary Contact Recreation

DWS-Drinking Water Supply

IND-Industrial

TABLE H-STREAM CLASSIFICATIONS AND USE DESIGNATIONS

WATER BODY	CLASS	MILES	FROM	TO	COUNTY	COUNTY 2	IRR	LWW	AQL	CLF	CDF	WBC	SCR	DWS	IND
Wolf Cr.	C	3.0	Mouth	14,45N,1W	Warren			x	x			B			
Wolf Cr.	C	[4.0] 4.5	Mouth	[7,49N,4W] 18,49N,4W	Montgomery			x	x			B			
Wolf Cr.	C	[4.5] 3.7	Mouth	35,33N,10E	Cape Girardeau	Bollinger		x	x				[B]		
Wolf Cr.	C	2.0	Mouth	35,25N,5E	Butler			x	x			B			
Wolf Cr.	C	8.0	Mouth	[29,36N,6E] 28,36N,6E	St. Francois			x	x			B			
Wolf Cr.	C	[4.0] 4.2	Mouth	3,27N,10E	Stoddard			x	x			B			
Wolf Cr.	C	5.2	Mouth	10,27N,08W	Texas	Howell		x	x			B			
Wolf Cr.	C	[1.5] 1.8	Mouth	32,48N,15W	Cooper			x	x			B			
Wolf Hole Lateral	C	[8.0] 9.5	Mouth	29,26N,16E	Mississippi			x	x			B			
Wolf Island Chute	P	[11.5] 11.8	5,24N,18E	11,23N,17E	Mississippi			x	x			B			
Woods Fk.	C	5.5	Mouth	3,25N,21W	Christian			x	x			B			
Woods Fk. Gasconade R.	P	[11.0] 12.4	[6,29N,14W] Mouth	2,29N,16W	Wright			x	x			B			
Woods Fk. Gasconade R.	C	4.0	2,29N,16W	6,29N,16W	Wright	Webster		x	x			B			
Woolly Cr.	C	1.5	Mouth	7,23N,24W	Stone			x	x			B			
Woolsey Cr.	C	[4.0] 3.6	Mouth	[5,36N,17W] 8,36N,17W	Camden	Laclede		x	x			B			
Workman Br.	C	1.0	Mouth	15,28N,22W	Greene			x	x			B			
Workman Cr.	P	[1.5] 2.4	Mouth	[Hwy. 179] 24,45N,13W	Cole			x	x			B			
[Wright Br.] Eddington Br.	P	[2.0] 1.4	Mouth	[6,29N,25W] 5,29N,25W	Lawrence			x	x			B			
Wyaconda R.	P1	[8.0] 8.4	Mouth	15,61N,6W	Lewis			x	x			B	x	x	
Wyaconda R.	P	[32.0] 42.2	15,61N,6W	26,65N,9W	Lewis	Clark		x	x			B	x		
Wyrick Br.	C	1.3	Mouth	10,28N,09W	Texas			x	x			B			
Yadkin Cr.	C	[3.0] 4.0	Mouth	9,37N,4W	Crawford			x	x		x	B			
Yankee Br.	P	[1.0] 1.4	Mouth	10,36N,4W	Crawford			x	x		x	B			
Yankee Br.	C	1.0	10,36N,4W	[15,36N,4W] 10,36N,4W	Crawford			x	x			B			
[Yantz Cr.] Yantz Br.	C	[1.0] 1.2	Mouth	[1,32N,9E] Sur 3236,32N,9E	Bollinger			x	x			B			
Yeater Br.	C	[2.0] 2.6	Mouth	30,48N,2W	Warren			x	x			B			
Yellow Cr.	C	2.0	Mouth	29,38N,26W	St. Clair			x	x			B			
Yellow Cr.	P	[25.0] 28.0	Mouth	20,56N,19W	Chariton			x	x			B			
Yoga Spring	P	[0.1] 0.8	Mouth	29,30N,07W	Texas			x	x			B			
Youngs Cr.	C	[9.5] 13.4	Mouth	11,52N,10W	Monroe	Audrain		x	x			B			
Youngs Cr.	C	[1.5] 1.9	Mouth	3,46N,9W	Callaway			x	x			B			
Zadie Cr.	C	[4.0] 5.3	Mouth	State Line	Harrison			x	x			B			
[Zounds Br.] Zounds Cr.	C	3.0	Mouth	35,64N,33W	Gentry			x	x			B			

IRR-LWW AQL CLF CDF WBC SCR DWS IND

IRR-Irrigation

LWW-Livestock & Wildlife Watering

AQL-Protection of Warm Water Aquatic Life
and Human Health Fish Consumption

CLF-Cool Water Fishery

CDF-Cold Water Fishery

WBC-Whole Body Contact Recreation

SCR-Secondary Contact Recreation

DWS-Drinking Water Supply

IND-Industrial

Table K: Site-Specific Criteria

Parameter:	Dissolved Oxygen	Daily Average Criterion	3.6 mg/L
Waterbody:	East Fork Locust Creek	Daily average dissolved oxygen concentrations shall not fall below 3.6 mg/L between July 1 and September 30 as measured by a minimum of four samples collected within a 24-hour period. All measurements shall be spaced a minimum of 5 hours apart.	
Season:	July - September		
Hydrology:	Baseflow Conditions		
County:	Sullivan	Daily Minimum Criterion	0.9 mg/L
Miles:	29.6	Daily minimum dissolved oxygen concentration shall not fall below 0.9 mg/L between July 1 and September 30 as measured by the average of three samples collected over any consecutive 6-hour period. All measurements shall be spaced a minimum of 1.5 hours apart.	
From:	Mouth		
To:	Section 12, T64N, R20W		

Parameter:	Dissolved Oxygen	Daily Average Criterion	3.6 mg/L
Waterbody:	Little East Fork Locust Creek	Daily average dissolved oxygen concentrations shall not fall below 3.6 mg/L between July 1 and September 30 as measured by a minimum of four samples collected within a 24-hour period. All measurements shall be spaced a minimum of 5 hours apart.	
Season:	July - September		
Hydrology:	Baseflow Conditions		
County:	Sullivan	Daily Minimum Criterion	0.9 mg/L
Miles:	9.0	Daily minimum dissolved oxygen concentration shall not fall below 0.9 mg/L between July 1 and September 30 as measured by the average of three samples collected over any consecutive 6-hour period. All measurements shall be spaced a minimum of 1.5 hours apart.	
From:	Mouth		
To:	Section 12, T64N, R20W		

Parameter:	Dissolved Oxygen	Daily Average Criterion	4.4 mg/L
Waterbody:	West Fork Sni-a-Bar Creek	Daily average dissolved oxygen concentrations shall not fall below 4.4 mg/L between July 1 and September 30 as measured by a minimum of four samples collected within a 24-hour period. All measurements shall be spaced a minimum of 5 hours apart.	
Season:	July - September		
Hydrology:	Baseflow Conditions		
County:	Jackson	Daily Minimum Criterion	3.0 mg/L
Miles:	9.0	Daily minimum dissolved oxygen concentration shall not fall below 3.0 mg/L between July 1 and September 30.	
From:	Mouth		
To:	Lake Lotawana Dam		

Parameter:	Dissolved Oxygen	Daily Average Criterion	4.4 mg/L
Waterbody:	Sni-a-Bar Creek	Daily average dissolved oxygen concentrations shall not fall below 4.4 mg/L between July 1 and September 30 as measured by a minimum of four samples collected within a 24-hour period. All measurements shall be spaced a minimum of 5 hours apart.	
Season:	July - September		
Hydrology:	Baseflow Conditions		
County:	Lafayette / Jackson	Daily Minimum Criterion	3.0 mg/L
Miles:	36.6	Daily minimum dissolved oxygen concentration shall not fall below 3.0 mg/L between July 1 and September 30.	
From:	Mouth		
To:	Section 30, T48N, R29W		

Table L: Total Phosphorus (TP) Criteria for Classified Lakes

Lake Ecoregion	TP Reference Value (µg/L)	TP Prediction Value (µg/L) (1)	TP 10th Percentile Reference Value for Site-Specific Criteria (µg/L)
Plains	58	$a/4 + 16/b + 570/c$	20
Ozark Border	41	$15 + 740/c$	16
Ozark Highland	26	$5 + 740/c$	9

(1) Coefficients: a = percentage of watershed originally in prairie (0 to 100); b = hydraulic residence time in years; c = dam height in feet

Table M: Lakes with Site-Specific Criteria

Lake Ecoregion	Lake	County	Site-Specific Criteria (µg/L)		
			TP	TN	Chl
Plains	Bowling Green Lake	Pike	21	502	6.5
	Bowling Green Lake (old)	Pike	31	506	5.0
	Forest Lake	Adair	21	412	4.3
	Fox Valley Lake	Clark	17	581	6.3
	Hazel Creek Lake	Adair	27	616	6.9
	Lincoln Lake – Cuivre River State Park	Lincoln	16	413	4.3
	Marie, Lake	Mercer	14	444	3.6
	Nehai Tonkaia Lake	Chariton	15	418	2.7
	Viking, Lake	Daviess	25	509	7.8
	Waukomis Lake	Platte	25	553	11.0
	Weatherby Lake	Platte	16	363	5.1
Ozark Border	Goose Creek Lake	St Francois	12	383	3.2
	Wauwanoka, Lake	Jefferson	12	384	6.1
Ozark Highlands	Clearwater Lake	Wayne-Reynolds	13	220	2.6
	Council Bluff Lake	Iron	7	229	2.1
	Crane Lake	Iron	9	240	2.6
	Fourche Lake	Ripley	9	236	2.1
	Loggers Lake	Shannon	9	200	2.6
	Lower Taum Sauk Lake	Reynolds	9	203	2.6
	Noble Lake	Douglas	9	211	2.0
	St. Joe State Park Lakes	St Francois	9	253	2.0
	Sunnen Lake	Washington	9	274	2.6
	Table Rock Lake	Stone	9	253	2.6
	Terre du Lac Lakes	St Francois	9	284	1.7
	Timberline Lakes	St Francois	8	276	1.5

Table N: Total Phosphorus Criteria in Tributary Arms of Major Reservoirs

Reservoir	Tributary Arm	Reach (decimal degrees)		TP (µg/L)
		From	To	
Clearwater Lake	Logan Creek	37.148/-90.792	37.157/-90.8	26
HS Truman Lake	Pomme de Terre	38.145/-93.394	38.119/-93.377	73
	S. Grand River	38.262/-93.464	38.265/-93.547	64
Mark Twain Lake	Lick Creek	39.504/-91.645	39.486/-91.661	58
	Middle Fork	39.472/-91.8	39.48/-91.844	58
	North Fork	39.5/-91.817	39.512/-91.854	58
Ozarks, Lake of the	Grand Glaize	38.11/-92.664	38.093/-92.622	26
	Gravois	38.245/-92.745	38.63/-92.775	26
	Niangua	38.071/-92.822	38.019/-92.822	26
Pomme de Terre Lake	Lindley Creek	37.882/-93.296	37.857/-93.273	26
	Pomme de Terre	37.875/-93.362	37.838/-93.361	26
Smithville Lake	Camp Branch	39.403/-94.514	39.417/-94.495	58
	Platte River	39.439/-94.536	39.474/-94.535	58
Stockton Lake	Big Sac	37.585/-93.774	37.521/-93.772	26
	Little Sac	37.605/-93.723	37.574/-93.656	26
Table Rock Lake	James River	36.67/-93.502	36.678/-93.536	10
	Kings River	36.576/-93.596	36.557/-93.607	18
	Long Creek	36.557/-93.294	36.523/-93.312	12
Thomas Hill Reservoir	Sinking Creek	39.609/-92.651	39.624/-92.651	58
Wapappello, Lake	Asher Creek	36.925/-90.307	36.932/-90.317	26
	Lost Creek	36.991/-90.332	37.006/-90.331	26

*AUTHORITY: section 644.021, RSMo Supp. [2007] 2008 and section 644.026, RSMo 2000. Original rule filed May 13, 1977, effective Dec. 11, 1977. For intervening history, please consult the **Code of State Regulations**. Emergency amendment filed Nov. 12, 2008, effective Nov. 22, 2008, expires May 20, 2009. Amended: Filed Feb. 3, 2009.*

PUBLIC COST: This proposed amendment will cost state agencies and political subdivisions \$329,809,576 in the aggregate for the construction of wastewater treatment system upgrades. The costs annually to public entities, in the aggregate, for system operation, maintenance, and reporting is \$28,684,245.

PRIVATE COST: This proposed amendment will cost private entities \$31,817,568 in the aggregate for the construction of wastewater treatment system upgrades. The costs annually to private entities, in the aggregate, for system operation, maintenance, and reporting is \$3,963,673.

NOTICE OF PUBLIC HEARING AND NOTICE TO SUBMIT COMMENTS: Anyone may file a statement in support of or in opposition to this proposed amendment with the Department of Natural Resources, Division of Environmental Quality, Water Protection Program, Philip A. Schroeder, PO Box 176, Jefferson City, MO 65102. Comments may be sent with name and address through email to phil.schroeder@dnr.mo.gov. Public comments must be received by May 13, 2009. A public hearing is scheduled at a meeting of the Clean Water Commission to be held at 9 a.m., May 6, 2009, in the Department of Natural Resources, Lewis and Clark State Office Building, LaCharrette/Nightingale Creek Conference Rooms, 110 Riverside Drive, Jefferson City, Missouri 65102.

**FISCAL NOTE
PUBLIC COST**

I. RULE NUMBER

<i>Rule Number and Name:</i>	10 CSR 20-7.031 Water Quality Standards
<i>Type of Rulemaking:</i>	Proposed Amendment

This rulemaking includes revisions that ensure that state water quality standards (WQS) are functionally equivalent to federal standards and that improve the clarity, specificity and effectiveness of the standards. In summary, the revisions include the following:

Table A - Revised Criteria for Copper and Zinc: Metals criteria for the protection of aquatic life were revised in 2005. This amendment proposes to revise the state criteria to reflect more recent federal guidance on developing criteria for copper and zinc as described in the "National Recommended Water Quality Criteria", EPA, Office of Water, (4304T) 2006.

Table A - Revised Criteria for Bacteria: EPA recently notified the state of its disapproval of the state's bacteria criteria for waters designated to Whole Body Contact Recreation – Category B. EPA is mandating that the state adopt an alternative criterion of no more than 206 colony forming units (cfu) per 100 milliliters (ml) of water. To resolve this disapproval action, the department is recommending the adoption of this numeric criterion to replace the current criterion of 548 cfu per 100 ml.

Tables B1, B2 and B3 - Ammonia Criteria: Total ammonia nitrogen criteria are determined by formulas that are dependent on temperature and pH. This revision will clarify how the criteria should be calculated based on temperature and pH and on the presence or absence of early life stages of fish.

Tables G, H and I - Identification of Classified and/or Reference Waters: Earlier methods of delineating the start and end points of classified water segments within the WQS were less accurate than a GIS-based method and resulted in the non-identification or misidentification of certain segments. This proposal corrects the descriptions. More accurate representation of the classified waters of the state ensures the appropriate application of Missouri's WQS.

Table H - Changes to the Designation of Whole Body Contact Recreation and Secondary Contact Recreation as a result of Use Attainability Analyses: These changes will make the use designations consistent with the waters' ability/inability to support Whole Body Contact Recreation (WBCR) or Secondary Contact Recreation (SCR). This action includes restoring WBCR use to 52 stream segments where this use is attainable, designating SCR to 110 stream segments where existing SCR uses were observed, and removing the WBCR use on 47 stream segments where this use is unattainable. Reinstatement of WBCR use designation is recommended for approximately 165 miles of the Mississippi River from the mouth of the Meramec River to the Ohio River. No Use Attainability Analysis (UAA) has been conducted on this segment of the Mississippi River. This action is being taken pursuant to a directive from the Clean Water Commission (CWC) on January 4, 2006.

Table H - Changes to the Designation of WBCR as a Result of Stream Classification of Black Creek, Deer Creek, and River Des Peres: Segments of these streams met the criteria of the guidelines for water body classification and are proposed to be assigned Class P.

New Table K - Addition of Site-Specific Criteria for Dissolved Oxygen on East Fork Locust Creek and Little East Fork Locust Creek in Sullivan County and West Fork Sni-A-Bar and Sni-A-Bar Creeks in Jackson County:

This change proposes to establish revised criteria for dissolved oxygen (DO) on specific stream segments based on data gathered on reference streams within the same geographical area. These proposed criteria better reflect the natural DO levels of the streams in that area of the state and therefore provide a more appropriate basis for water quality assessments and water quality based effluent limits for Biochemical Oxygen Demand.

New Tables L, M and N - Nutrient Criteria for Reservoirs: The proposed rule includes methods to determine numeric nutrient criteria based on certain lake characteristics. These criteria will apply to all lakes with the exception of lakes located in the Big River floodplains. Criteria for these lakes, as well as streams, will be addressed in a future rulemaking.

Correction of Typographical Errors: These changes correct several typographical errors discovered after the effective date of the last revisions to the WQS in 2005:

II. SUMMARY OF FISCAL IMPACT

This proposed amendment will cost public entities up to \$329,809,576 in the aggregate for the construction of wastewater treatment system upgrades. In addition, public entities will pay up to \$28,684,245 in the aggregate annually for system operation, maintenance and reporting. It is anticipated that the operation, maintenance and reporting costs will recur over the life of the rule and will vary with inflation.

Table A, B1, B2 and B3 - Changes to the Numeric Criteria for Copper, Zinc, Bacteria and Ammonia

<i>Estimate of the number of entities by class which would likely be affected by the adoption of the proposed rule.</i>	<i>Classification by types of the business entities which would likely be affected.</i>	<i>Estimate in the aggregate as to the cost of compliance with the rule by the affected entities.</i>
0	Because these changes make the state's criteria consistent with the federal criteria, the fiscal impact of these changes are a result of federal regulations, and therefore already exist. No increase in fiscal impact is expected from this proposed state rule.	\$0

Table H - Changes to the Designation of Whole Body Contact Recreation and Secondary Contact Recreation as a Result of Use Attainability Analyses

<i>Estimate of the number of entities by class which would likely be affected by the adoption of the proposed rule.</i>	<i>Classification by types of the business entities which would likely be affected.</i>	<i>Estimate in the aggregate as to the cost of compliance with the rule by the affected entities.</i>
70 facilities may be required to install a disinfection system to comply with the bacteria standard applicable to waters with recreational uses.	Publicly owned facilities operating domestic wastewater treatment facilities (WWTFs) under a state discharge permit. Examples include: municipal and government-owned facilities with wastewater treatment.	Construction Cost = \$8,415,591 Operation and Maintenance (O&M) Cost = \$4,716,708 - see further breakdown of costs in worksheets below -

37 (26 - Chlorination, 11 - Ultraviolet Light)	Public facilities that do not presently disinfect wastewater discharges with design flows of less than or equal to 0.05 million gallons per day (mgd)	Construction Cost = \$893,288 O&M Cost = \$751,979
28 (21 - Chlorination, 7 - Ultraviolet Light)	Public facilities that do not presently disinfect wastewater discharges with design flows of greater than 0.05 mgd but less than or equal to 1.0 mgd	Construction Cost = \$1,447,303 O&M Cost = \$3,545,023
5 (5 Ultraviolet Light)	Public facilities that do not presently disinfect wastewater discharges with design flows of greater than 1.0 mgd but less than or equal to 20.0 mgd	Construction Cost = \$6,075,000 O&M Cost = \$419,706
0	Public facilities that do not presently disinfect wastewater discharges with design flows of greater than 20.0 mgd	\$0

Table H - Changes to the Designation of WBCR as a Result of Stream Classification of Black Creek, Deer Creek, and River Des Peres

<i>Estimate of the number of entities by class which would likely be affected by the adoption of the proposed rule.</i>	<i>Classification by types of the business entities which would likely be affected.</i>	<i>Estimate in the aggregate as to the cost of compliance with the rule by the affected entities.</i>
1	Metropolitan Sewer District of St. Louis	Construction Cost = \$279,000,000 O&M Cost = \$21,000,000 (See assumptions below)

New Table K - Addition of Site-Specific Criteria for Dissolved Oxygen on East Fork Locust Creek and Little East Fork Locust Creek in Sullivan County and West Fork Sni-A-Bar and Sni-A-Bar Creeks in Jackson County

<i>Estimate of the number of entities by class which would likely be affected by the adoption of the proposed rule.</i>	<i>Classification by types of the business entities which would likely be affected.</i>	<i>Estimate in the aggregate as to the cost of compliance with the rule by the affected entities.</i>
3	Medium-sized municipalities	\$0 - This proposed revision will result in a cost savings to the affected entities.

New Tables L, M and N - Nutrient Criteria for Reservoirs

<i>Estimate of the number of entities by class which would likely be affected by the adoption of the proposed rule.</i>	<i>Classification by types of the business entities which would likely be affected.</i>	<i>Estimate in the aggregate as to the cost of compliance with the rule by the affected entities.</i>
22 facilities may be required to increase phosphorus removal, 33 facilities may be required to increase nitrogen removal, and some of these facilities may be required to increase removal of both phosphorus and nitrogen	Publicly owned facilities operating domestic WWTFs under a state discharge permit. Examples include: municipal and government-owned facilities with wastewater treatment.	Construction Cost = \$42,393,985 O&M Cost = \$2,967,537 - see further breakdown of costs in worksheets below -

2 - Phosphorus 1 - Nitrogen	Publicly owned facilities that do not presently disinfect wastewater discharges with design flows of less than or equal to 0.005 mgd	Construction Cost = \$287,115 O&M Cost = \$29,353
6 - Phosphorus 7 - Nitrogen	Publicly owned facilities that do not presently disinfect wastewater discharges with design flows of greater than 0.005 mgd but less than or equal to 0.05 mgd	Construction Cost = \$2,578,770 O&M Cost = \$267,507
8 - Phosphorus 14 - Nitrogen	Publicly owned facilities that do not presently disinfect wastewater discharges with design flows of greater than 0.05 mgd but less than or equal to 0.5 mgd	Construction Cost = \$8,318,336 O&M Cost = \$814,596
6 - Phosphorus 11 - Nitrogen	Publicly owned facilities that do not presently disinfect wastewater discharges with design flows of greater than 0.5 mgd	Construction Cost = \$31,209,764 O&M Cost = \$1,856,081

III. WORKSHEET**Disinfection Systems - Cost Estimates****Chlorination****Public Entities < 0.05 mgd**

Capital Costs		O&M Costs	Testing Costs
Chlorinator	\$ 1,500		
Dechlorinator	\$ 1,500		
Contact Basin	\$ 7,000		
Subtotal	\$ 10,000		
x 26 Entities	\$ 260,000		
Chemicals		\$ 20,000	
Misc.		\$ 2,000	
Subtotal		\$ 22,000	
x 26 Entities		\$ 572,000	
25% Contingency	\$ 325,000	\$ 715,000	
Testing - Fecal Coliform			\$ 6,795
Testing - Total Residual Chlorine			\$ 4,291
Subtotal			\$ 11,086
Total Construction Costs	\$ 325,000		
Total Annual O&M and Testing Costs		\$ 715,000	\$ 11,086

Public Entities > 0.05 mgd - < 1.0 mgd

Capital Costs		O&M Costs	Testing Costs
Chlorinator	\$ 2,500		
Dechlorinator	\$ 2,500		
Contact Basin	\$ 11,100		
Subtotal	\$ 16,100		
x 21 Entities	\$ 338,100		
Chemicals		\$ 122,827	
Misc.		\$ 10,000	

Subtotal	\$	132,827	
x 21 Entities	\$	2,789,367	
25% Contingency	\$	422,625	\$ 3,486,709
Testing - Fecal Coliform			\$ 6,875
Testing - Total Residual Chlorine			\$ 4,341
Subtotal	\$	11,216	
Total Construction Costs	\$	422,625	
Total Annual O&M and Testing Costs	\$		3,497,925

Ultraviolet (UV) Light

Public Entities ≤ 0.05 mgd

	Capital Costs	O&M Costs	Testing Costs
UV Lamps	\$ 13,870		
UV Lamp Installation	\$ 13,590		
Facility Building/Structure	\$ 13,870		
Subtotal	\$ 41,330		
x 11 Entities	\$ 454,630		
O&M Cost		\$ 1,750	
x 11 Entities		\$ 19,250	
25% Contingency	\$ 568,288	\$ 24,063	
Testing - Fecal Coliform			\$ 1,830
Total Construction Costs	\$ 568,288		
Total Annual O&M and Testing Costs		\$	25,893

Public Entities ≥ 0.05 mgd - ≤ 1.0 mgd

	Capital Costs	O&M Costs	Testing Costs
UV Lamps	\$ 39,300		
UV Lamp Installation	\$ 38,506		
Facility Building/Structure	\$ 39,300		
Subtotal	\$ 117,106		
x 7 Entities	\$ 819,742		
O&M Cost		\$ 4,956	
x 7 Entities		\$ 34,692	
25% Contingency	\$ 1,024,678	\$ 43,365	
Testing - Fecal Coliform			\$ 3,733
Total Construction Costs	\$ 1,024,678		
Total Annual O&M and Testing Costs		\$	47,098

Public Entities ≤ 1.0 mgd - ≤ 20 mgd

	Capital Costs	O&M Costs	Testing Costs
UV Lamps	\$ 385,297		
UV Lamp Installation	\$ 297,730		
Facility Building/Structure	\$ 288,973		
Subtotal	\$ 972,000		
x 5 Entities	\$ 4,860,000		
O&M Cost		\$ 65,588	
x 5 Entities		\$ 327,940	
25% Contingency	\$ 6,075,000	\$ 409,925	
Testing - Fecal Coliform			\$ 9,781
Total Construction Costs	\$ 6,075,000		
Total Annual O&M and Testing Costs		\$	419,706

Nutrient Control Systems - Cost Estimates

Public Facilities Requiring Nutrient Control

Design Flow (mgd)	Phosphorus	Nitrogen
≤0.005	2	1
> 0.005 - ≤ 0.5	6	7
> 0.05 - ≤ 0.5	8	14
> 0.5	6	11
Totals	22	33

Construction Cost

Design Flow (mgd)	Phosphorus	Nitrogen	Totals
≤0.005	\$ 8,480	\$ 278,635	\$ 287,115
> 0.005 - ≤ 0.5	\$ 74,555	\$ 2,504,215	\$ 2,578,770
> 0.05 - ≤ 0.5	\$ 393,631	\$ 7,924,705	\$ 8,318,336
> 0.5	\$ 2,592,803	\$ 28,616,961	\$ 31,209,764
Totals	\$ 3,069,469	\$ 39,324,516	\$ 42,393,985

O&M Cost

Design Flow (mgd)	Phosphorus	Nitrogen	Totals
≤0.005	\$ 2,361	\$ 26,992	\$ 29,353
> 0.005 - ≤ 0.5	\$ 22,027	\$ 245,480	\$ 267,507
> 0.05 - ≤ 0.5	\$ 64,088	\$ 750,508	\$ 814,596
> 0.5	\$ 453,805	\$ 1,402,276	\$ 1,856,081
Totals	\$ 542,281	\$ 2,425,256	\$ 2,967,537

IV. ASSUMPTIONS

The costs assume that all installations are accomplished over a one-year period. Because most facilities will be allowed a schedule up to three years to complete construction of modified treatment systems, the estimated cost will likely be incurred over a three-year period.

Chlorination Disinfection Systems

Cost Estimates were derived from cost estimate data provided by a National Small Flows Clearinghouse fact sheet entitled, 'Chlorine Disinfection.' Cost estimates from outside manufacturers of chlorinating tablet feeders were also used for the smaller WWTFs. The numbers in the 'Chlorine Disinfection' document were from 1995. All of the cost estimates given below have been adjusted to reflect the cost of equipment, O&M costs, and installation cost for year 2004 using the Engineering News Record Construction Cost Index (CCI). The average CCI for 1995 was 5471 and the current CCI is 6825.

Analytical testing costs were established by averaging the cost of fecal coliform and total residual chlorine testing from ten (10) laboratories in Missouri and neighboring states that provide services to facilities from Missouri. The monitoring frequency of each facility is currently established in their permits and was gathered from a Department of Natural Resources database. The cost of analytical testing of fecal coliform and total residual chlorine was based on these monitoring frequencies.

Assumptions:

- For flows ≤ 0.05 mgd, the average daily discharge flow (ADDF) is 36,000 gallons per day (gpd) and peak flow is 144,000 gpd (peak factor of 4).
- For flows >0.05 mgd and ≤ 1 mgd, the ADDF is 255,000 gpd and peak flow is 894,000gpd (peak factor of 3.5).
- Chlorine dose based on peak flows.
- 10 mg/L dosing concentration.
- Tablet chlorination/dechlorination.

UV Disinfection Systems

Cost estimates were derived from cost estimate data provided by an U.S. Environmental Protection Agency document entitled, 'Ultraviolet Disinfection Technology Assessment.' The numbers in this document were from 1990. All of the cost estimates given below have been adjusted to reflect the cost of equipment, O&M costs, and installation cost for year 2004 using the Engineering News Record Construction Cost Index (CCI). The average CCI for 1990 was 4732 and the current CCI is 6825.

Assumptions:

- For flows ≤ 0.05 mgd, the ADDF is 36,000 gpd and peak flow is 144,000 gpd (peak factor of 4).
- For flows >0.05 mgd and ≤ 1 mgd, the ADDF is 255,000 gpd and peak flow is 894,000 gpd (peak factor of 3.5).
- For flows > 1.0 mgd, the ADDF is 3.6 mgd and peak flow is 10.81 mgd (peak factor of 3).
- 58-inch arc UV lamps were used.
- UV lamps need replacement once per year.
- 1 UV kilowatt = 37 lamps/1 mgd.
- Number of lamps are based on peak flows.
- Cost for constructing a building is approximately equals the cost of lamps for facilities using less than 100 lamps.
- Cost for constructing a building is approximately 75% the cost of lamps for facilities using more than 100 lamps.
- Lagoons were not used for UV disinfection cost.
- Includes redundancy and additional spare lamps.

Nutrient Removal Systems

Phosphorus

Estimates are derived from regressions of treatment cost as a function of design flow. Regressions are as follows:

- a) Capital Costs: $x = \log_{10}[\text{gpd}]$, $y = \log_{10}(\text{cost})$; $y = 0.657x + 1.362$; $R^2 = 0.639$. (Least median squares).
- b) O&M – Design flow < 0.01 mgd $x = \text{gallons per day}$; $y = \text{annual cost}$; $y = 0.009x + 1154.63$; $R^2 = 0.753$; Robust Regression (least median squares).
- c) O&M – Design flow ≥ 0.01 mgd: $x = \log_{10}[\text{gpd}]$; $y = \log_{10}(\text{annual cost})$; $y = 0.676x + 0.476$; $R^2 = 0.864$; (Least median squares).

Capital and O&M cost data developed from interviews with managers of facilities that already treat for a total phosphorus limit of 0.5 mg/L.

O&M includes chemical input, repairs, and lab analyses.

Estimates do not account for specific waste load allocations. Calculating those will not be accomplished in a short time.

Nitrogen

Estimates are based on regressions of treatment cost as a function of design flow. Data are from Biological Nutrient Removal Processes and Costs, EPA-823-R-07-002 and Municipal Nutrient Removal Technologies Reference Document (draft by Tetra Tech for EPA under contract EP-C-05-046; WA 1-46). Regressions are as follows:

- a) Capital Costs – Design flow < 0.1 mgd:
 - i) Lagoons: Replacement by sequencing batch reactors. $x = \text{mgd}$; $y = \text{cost}/\$1,000$. $y = -28306x^2 + 11847x + 392.01$.
 - ii) All other facilities: Retrofit with deep bed denitrification filter. $x = \text{mgd}$; $y = \text{total installation cost}$. $y = 207529x^3 - 49577x^2 + 3704.3x + 130.8$.
- b) O&M – Design flow < 0.1 mgd.
 - i) SBR (converted lagoon); $x = \text{mgd}$; $y = \text{cost}/\$1,000$. $y = -3044.5x^2 + 1229.3x + 29.943$.
 - ii) All other facilities: $x = \text{mgd}$; $y = \text{cost}/\$1,000$. $y = -49343x^3 + 5236.4x^2 + 42.236x + 21.356$.
- c) Capital Costs and O&M costs – Design flow ≥ 0.1 mgd. Estimated from CAPDETWorks models developed by Tetrattech. The following scenarios were used:
 - i) Oxidation ditches retrofitted with phased isolation ditch.
 - ii) Extended aeration and activated sludge systems retrofitted with step-feed system.
 - iii) Lagoon expanded with denitrifying filter system.
 - iv) For O&M expenses, actual flow is assumed to be 50 percent of design flow.

Capital and O&M cost data derived from literature, mainly from EPA, the State of Maryland, and the Chesapeake Bay Program. O&M includes chemical input, repairs, and lab analyses. Estimates do not account for specific waste load allocations. Calculating those will not be accomplished in a short time.

For most affected lakes, phosphorus is the limiting nutrient. Phosphorus control by itself may be sufficient to protect water quality. However, this analysis does not make this assumption.

¹The estimate of the potential cost to the Metropolitan Sewer District of St. Louis, (\$300,000,000) was provided by the district in a letter dated July 17, 2008. The cost includes the sewer collection system upgrades necessary to address combined sewer overflows that discharge in to Black Creek and Deer Creek. This estimate was divided into two estimates - one for construction and one for operation, maintenance and reporting. This division was calculated by using the same percentage (93% construction, 7% annual operation, maintenance and reporting) shown in the estimates for the large flow facilities identified as affected by the changes proposed in Table H. Large flow facilities are those with design flows greater than 1.0 mgd but less than or equal to 20.0 mgd.

**FISCAL NOTE
PRIVATE COST**

I. RULE NUMBER

<i>Rule Number and Name:</i>	10 CSR 20-7.031 Water Quality Standards
<i>Type of Rulemaking:</i>	Proposed Amendment

This rulemaking includes revisions that ensure that state water quality standards (WQS) are functionally equivalent to federal standards and that improve the clarity, specificity and effectiveness of the standards. In summary, the revisions include the following:

Table A - Revised Criteria for Copper and Zinc - Metals criteria for the protection of aquatic life were revised in 2005. This amendment proposes to revise the state criteria to reflect more recent federal guidance on developing criteria for copper and zinc as described in the "National Recommended Water Quality Criteria", EPA, Office of Water, (4304T) 2006.

Table A - Revised Criteria for Bacteria - EPA recently notified the state of its disapproval of the state's bacteria criteria for waters designated to Whole Body Contact Recreation - Category B. EPA is mandating that the state adopt an alternative criterion of no more than 206 colony forming units (cfu) per 100 milliliters (ml) of water. To resolve this disapproval action, the department is recommending the adoption of this numeric criterion to replace the current criterion of 548 cfu per 100 ml.

Tables B1, B2 and B3 - Ammonia Criteria - Total ammonia nitrogen criteria are determined by formulas that are dependent on temperature and pH. This revision will clarify how the criteria should be calculated based on temperature and pH and on the presence or absence of early life stages of fish.

Tables G, H and I - Identification of Classified and/or Reference Waters - Earlier methods of delineating the start and end points of classified water segments within the WQS were less accurate than a GIS-based method and resulted in the non-identification or misidentification of certain segments. This proposal corrects the descriptions. More accurate representation of the classified waters of the state ensures the appropriate application of Missouri's WQS.

Table H - Changes to the Designation of Whole Body Contact Recreation and Secondary Contact Recreation as a Result of Use Attainability Analyses - These changes will make the use designations consistent with the waters' ability/inability to support Whole Body Contact Recreation (WBCR) or Secondary Contact Recreation (SCR). This action includes restoring WBCR use to 52 stream segments where this use is attainable, designating SCR to 110 stream segments where existing SCR uses were observed, and removing the WBCR use on 47 stream segments where this use is unattainable. Reinstatement of WBCR use designation is recommended for approximately 165 miles of the Mississippi River from the mouth of the Meramec River to the Ohio River. No Use Attainability Analysis (UAA) has been conducted on this segment of the Mississippi River. This action is being taken pursuant to a directive from the Clean Water Commission on January 4, 2006.

Table H - Changes to the Designation of WBCR as a Result of Stream Classification of Black Creek, Deer Creek, and River Des Peres - Segments of these streams met the criteria of the guidelines for water body classification and are proposed to be assigned Class P.

New Table K - Addition of Site-Specific Criteria for Dissolved Oxygen on East Fork Locust Creek and Little East Fork Locust Creek in Sullivan County and West Fork Sni-A-Bar and Sni-A-Bar Creeks in Jackson County - This change proposes to establish revised criteria for dissolved oxygen (DO) on specific stream segments based on data gathered on reference streams within the same geographical area. These proposed criteria better reflect the natural DO levels of the streams in that area of the state and therefore provide a more appropriate basis for water quality assessments and water quality based effluent limits for Biochemical Oxygen Demand.

New Tables L, M and N - Nutrient Criteria for Reservoirs - The proposed rule includes methods to determine numeric nutrient criteria based on certain lake characteristics. These criteria will apply to all lakes with the exception of lakes located in the Big River floodplains. Criteria for these lakes, as well as streams, will be addressed in a future rulemaking.

Correction of Typographical Errors - These changes correct several typographical errors discovered after the effective date of the last revisions to the WQS in 2005.

II. SUMMARY OF FISCAL IMPACT

This proposed amendment will cost private entities up to \$31,817,568 in the aggregate for the construction of wastewater treatment system upgrades. In addition, private entities will pay up to \$3,963,673 in the aggregate annually for system operation, maintenance and reporting. It is anticipated that the operation, maintenance and reporting costs will recur over the life of the rule and will vary with inflation.

Table A, B1, B2 and B3 - Changes to the Numeric Criteria for Copper, Zinc, Bacteria and Ammonia

<i>Estimate of the number of entities by class which would likely be affected by the adoption of the proposed rule.</i>	<i>Classification by types of the business entities which would likely be affected.</i>	<i>Estimate in the aggregate as to the cost of compliance with the rule by the affected entities.</i>
0	Because these changes make the state's criteria consistent with the federal criteria, the fiscal impact of these changes are a result of federal regulations, and therefore already exist. No increase in fiscal impact is expected from this proposed state rule.	\$0

Table H - Changes to the Designation of Whole Body Contact Recreation and Secondary Contact Recreation as a Result of Use Attainability Analyses

<i>Estimate of the number of entities by class which would likely be affected by the adoption of the proposed rule.</i>	<i>Classification by types of the business entities which would likely be affected.</i>	<i>Estimate in the aggregate as to the cost of compliance with the rule by the affected entities.</i>

55 facilities may be required to install a disinfection system to comply with the bacteria standard applicable to waters with recreational uses.	Privately owned facilities operating domestic wastewater treatment facilities (WWTFs) under a state discharge permit. Examples include: subdivisions outside municipal limits, private resorts, and businesses with public restrooms (restaurants, motels).	Construction Cost = \$1,493,625 Annual Operation and Maintenance (O&M)= \$1,436,708 - see breakdown of cost in worksheets below -
52	Private facilities that do not presently disinfect wastewater discharges with design flows of less than or equal to 0.05 million gallons per day (mgd)	Construction Cost = \$1,433,250 Annual O&M = \$937,909
3	Private facilities that do not presently disinfect wastewater discharges with design flows of greater than 0.05 mgd but less than or equal to 1.0 mgd	Construction Cost = \$60,375 Annual O&M = \$498,799
0	Private facilities that do not presently disinfect wastewater discharges with design flows of greater than 1.0 mgd but less than or equal to 20.0 mgd	\$0
0	Private facilities that do not presently disinfect wastewater discharges with design flows of greater than 20.0 mgd	\$0

Table H - Changes to the Designation of WBCR as a Result of Stream Classification of Black Creek and Deer Creek

<i>Estimate of the number of entities by class which would likely be affected by the adoption of the proposed rule.</i>	<i>Classification by types of the business entities which would likely be affected.</i>	<i>Estimate in the aggregate as to the cost of compliance with the rule by the affected entities.</i>
No privately owned permitted facilities discharging to Black Creek and Deer Creek are expected to be affected.	N/A	\$0

New Table K - Addition of Site-Specific Criteria for Dissolved Oxygen on East Fork Locust Creek and Little East Fork Locust Creek in Sullivan County and West Fork Sni-A-Bar and Sni-A-Bar Creeks in Jackson County

<i>Estimate of the number of entities by class which would likely be affected by the adoption of the proposed rule.</i>	<i>Classification by types of the business entities which would likely be affected.</i>	<i>Estimate in the aggregate as to the cost of compliance with the rule by the affected entities.</i>
No privately owned permitted facilities discharging to these streams are expected to be affected.	N/A	\$0

New Tables L, M and N - Nutrient Criteria for Reservoirs

<i>Estimate of the number of entities by class which would likely be affected by the adoption of the proposed rule.</i>	<i>Classification by types of the business entities which would likely be affected.</i>	<i>Estimate in the aggregate as to the cost of compliance with the rule by the affected entities.</i>
92 facilities may be required to increase phosphorus removal, 72 facilities may be required to increase nitrogen removal, and some of these facilities may be required to increase removal of both phosphorus and nitrogen	Privately owned facilities operating domestic WWTFs under a state discharge permit. Examples include: subdivisions outside municipal limits, private resorts, and businesses with public restrooms (restaurants, motels).	Construction Cost = \$30,622,668 Annual O&M Cost = \$2,811,324 - see breakdown of cost in worksheets below -
41 - Phosphorus 25 - Nitrogen	Private facilities that do not presently disinfect wastewater discharges with design flows of less than or equal to 0.005 mgd	Construction Cost = \$7,120,012 Annual O&M = \$723,038
44 - Phosphorus 39 - Nitrogen	Private facilities that do not presently disinfect wastewater discharges with design flows of greater than 0.005 mgd but less than or equal to 0.05 mgd	Construction Cost = \$14,468,153 Annual O&M = \$1,440,174
6- Phosphorus 6 - Nitrogen	Private facilities that do not presently disinfect wastewater discharges with design flows of greater than 0.05 mgd but less than or equal to 0.5 mgd	Construction Cost = \$3,681,531 Annual O&M = \$368,031
1 - Phosphorus 2 - Nitrogen	Private facilities that do not presently disinfect wastewater discharges with design flows of greater than 0.5 mgd	Construction Cost = \$5,352,972 Annual O&M = \$280,081

III. WORKSHEETS

Disinfection Systems - Cost Estimates

Chlorination

Private Entities ≤ 0.05 mgd

Capital Costs		O&M Costs	Testing Costs
Chlorinator	\$ 1,500		
Dechlorinator	\$ 1,500		
Contact Basin	\$ 7,000		
Subtotal	\$ 10,000		
x 32 Entities	\$ 320,000		
Chemicals		\$ 20,000	
Misc.		\$ 2,000	
Subtotal		\$ 22,000	
x 32 Entities		\$ 704,000	
25% Contingency	\$ 400,000	\$ 880,000	
Testing - Fecal Coliform			\$ 6,252
Testing - Total Residual Chlorine			\$ 3,947
Subtotal			\$ 10,199
Total Construction Costs		\$ 890,199	
Total Annual O&M and Testing Costs		\$ 890,199	

Public Entities > 0.05 mgd - < 1.0 mgd

	Capital Costs	O&M Costs	Testing Costs
Chlorinator	\$ 2,500		
Dechlorinator	\$ 2,500		
Contact Basin	\$ 11,100		
Subtotal	\$ 16,100		
x 3 Entities	\$ 48,300		
Chemicals		\$ 122,827	
Misc.		\$ 10,000	
Subtotal		\$ 132,827	
x 3 Entities		\$ 398,481	
25% Contingency	\$ 60,375	\$ 498,101	
Testing - Fecal Coliform			\$ 428
Testing - Total Residual Chlorine			\$ 270
Subtotal			\$ 698
Total Construction Costs	\$ 60,375		
Total Annual O&M and Testing Costs		\$ 498,799	

Ultraviolet (UV) Light

Private Entities < 0.05 mgd

	Capital Costs	O&M Costs	Testing Costs
UV Lamps	\$ 13,870		
UV Lamp Installation	\$ 13,590		
Facility Building/Structure	\$ 13,870		
Subtotal	\$ 41,330		
x 20 Entities	\$ 826,600		
O&M Cost		\$ 1,750	
x 20 Entities		\$ 35,000	
25% Contingency	\$ 1,033,250	\$ 43,750	
Testing - Fecal Coliform			\$ 3,960
Total Construction Costs	\$ 1,033,250		
Total Annual O&M and Testing Costs		\$ 47,710	

Nutrient Control Systems - Cost Estimates

Private Facilities Requiring Nutrient Control

Design Flow (mgd)	Phosphorus	Nitrogen
<0.005	41	25
> 0.005 - < 0.05	44	39
> 0.05 - < 0.5	6	6
> 0.5	1	2
Totals	92	72

Construction Cost

Design Flow (mgd)	Phosphorus	Nitrogen	Totals
<0.005	\$ 154,123	\$ 6,965,889	\$ 7,120,012
> 0.005 - < 0.5	\$ 516,099	\$ 13,952,054	\$ 14,468,153
> 0.05 - < 0.5	\$ 285,229	\$ 3,396,302	\$ 3,681,531
> 0.5	\$ 149,888	\$ 5,203,084	\$ 5,352,972
Totals	\$ 1,105,339	\$ 29,517,329	\$ 30,622,668

O&M Cost

Design Flow (mgd)	Phosphorus	Nitrogen	Totals
<0.005	\$ 48,226	\$ 674,812	\$ 723,038
> 0.005 - < 0.5	\$ 72,498	\$ 1,367,676	\$ 1,440,174
> 0.05 - < 0.5	\$ 46,385	\$ 321,646	\$ 368,031
> 0.5	\$ 25,122	\$ 254,959	\$ 280,081
Totals	\$ 192,231	\$ 2,619,093	\$ 2,811,324

IV. ASSUMPTIONS

The costs assume that all installations are accomplished over a one-year period. Because most facilities will be allowed a schedule up to three years to complete construction of modified treatment systems, the estimated cost will likely be incurred over a three-year period.

Chlorination Disinfection Systems

Cost Estimates were derived from cost estimate data provided by a National Small Flows Clearinghouse fact sheet entitled, 'Chlorine Disinfection.' Cost estimates from outside manufacturers of chlorinating tablet feeders were also used for the smaller WWTFs. The numbers in the 'Chlorine Disinfection' document were from 1995. All of the cost estimates given below have been adjusted to reflect the cost of equipment, O&M costs, and installation cost for year 2004 using the Engineering News Record Construction Cost Index (CCI). The average CCI for 1995 was 5471 and the current CCI is 6825.

Analytical testing costs were established by averaging the cost of fecal coliform and total residual chlorine testing from ten (10) laboratories in Missouri and neighboring states that provide services to facilities from Missouri. The monitoring frequency of each facility is currently established in their permits and was gathered from a Department of Natural Resources database. The cost of analytical testing of fecal coliform and total residual chlorine was based on these monitoring frequencies.

Assumptions:

- For flows ≤ 0.05 mgd, the average daily discharge flow (ADDF) is 36,000 gallons per day (gpd) and peak flow is 144,000 gpd (peak factor of 4).
- For flows > 0.05 mgd and ≤ 1.0 mgd, the ADDF is 255,000 gpd and peak flow is 894,000 gpd (peak factor of 3.5).
- Chlorine dose based on peak flows.
- 10 milligrams per liter (mg/L) dosing concentration.
- Tablet chlorination/dechlorination.

Ultraviolet (UV) Light Disinfection Systems

Cost Estimates were derived from cost estimate data provided by a U.S. Environmental Protection Agency document entitled, 'Ultraviolet Disinfection Technology Assessment.' The numbers in this document were from 1990. All of the cost estimates given below have been adjusted to reflect the cost of equipment, O&M costs, and installation cost for year 2004 using the Engineering News Record Construction Cost Index (CCI). The average CCI for 1990 was 4732 and the current CCI is 6825.

Assumptions:

- For flows ≤ 0.05 mgd, the ADDF is 36,000 gpd and peak flow is 144,000 gpd (peak factor of 4).
- 58-inch arc UV lamps were used.
- UV lamps needs replacement once per year.
- 1 UV kilowatt = 37 lamps/1 mgd.
- Number of lamps are based on peak flows.
- Cost for constructing a building is approximately equal the cost of lamps for a facility using less than 100 lamps.
- Cost for constructing a building is approximately 75% the cost of lamps for facility using more than 100 lamps.
- Lagoons were not used for UV disinfection cost.
- Includes redundancy and additional spare lamps.

Nutrient Removal Systems

Phosphorus

Estimates are derived from regressions of treatment cost as a function of design flow. Regressions are as follows:

- a) Capital Costs: $x = \log_{10}[\text{gpd}]$, $y = \log_{10}(\text{cost})$; $y = 0.657x + 1.362$; $R^2 = 0.639$. (Least median squares).
- b) O&M – Design flow < 0.01 mgd $x = \text{gallons per day}$; $y = \text{annual cost}$; $y = 0.009x + 1154.63$; $R^2 = 0.753$; Robust Regression (least median squares).
- c) O&M – Design flow ≥ 0.01 mgd $x = \log_{10}[\text{GPD}]$; $y = \log_{10}(\text{annual cost})$; $y = 0.676x + 0.476$; $R^2 = 0.864$; (Least median squares).

Capital and O&M cost data developed from interviews with managers of facilities that already treat for a total phosphorus limit of 0.5 mg/L.

O&M includes chemical input, repairs, and lab analyses.

Estimates do not account for specific waste load allocations. Calculating those will not be accomplished in a short time.

Nitrogen

Estimates are based on regressions of treatment cost as a function of design flow. Data are from Biological Nutrient Removal Processes and Costs, EPA-823-R-07-002 and Municipal Nutrient Removal Technologies Reference Document (draft by Tetra Tech for EPA under contract EP-C-05-046; WA 1-46). Regressions are as follows:

- a) Capital Costs – Design flow < 0.1 mgd:
 - i) Lagoons: Replacement by sequencing batch reactors. $x = \text{mgd}$; $y = \text{cost}/\$1,000$. $y = -28306x^2 + 11847x + 392.01$.
 - ii) All other facilities: Retrofit with deep bed denitrification filter. $x = \text{mgd}$; $y = \text{total installation cost}$. $y = 207529x^3 - 49577x^2 + 3704.3x + 130.8$.
- b) O&M – Design flow < 0.1 mgd.
 - i) SBR (converted lagoon); $x = \text{mgd}$; $y = \text{cost}/\$1,000$. $y = -3044.5x^2 + 1229.3x + 29.943$.
 - ii) All other facilities: $x = \text{mgd}$; $y = \text{cost}/\$1,000$. $y = -49343x^3 + 5236.4x^2 + 42.236x + 21.356$.
- c) Capital Costs and O&M costs – Design flow ≥ 0.1 mgd. Estimated from CAPDEThWorks models developed by Tetrattech. The following scenarios were used:
 - i) Oxidation ditches retrofitted with phased isolation ditch.
 - ii) Extended aeration and activated sludge systems retrofitted with step-feed system.
 - iii) Lagoon expanded with denitrifying filter system.
 - iv) For O&M expenses, actual flow is assumed to be 50 percent of design flow.

Capital and O&M cost data derived from literature, mainly from EPA, the State of Maryland, and the Chesapeake Bay Program.

O&M includes chemical input, repairs, and lab analyses. Estimates do not account for specific waste load allocations. Calculating those will not be accomplished in a short time.

For most affected lakes, phosphorus is the limiting nutrient. Phosphorus control by itself may be sufficient to protect water quality. However, this analysis does not make this assumption.

**Title 10—DEPARTMENT OF NATURAL RESOURCES
Division 25—Hazardous Waste Management Commission
Chapter 18—Risk-Based Corrective Action**

PROPOSED RULE

10 CSR 25-18.010 Risk-Based Corrective Action Process

PURPOSE: The Department of Natural Resources (department) oversees response, characterization, risk assessment, and risk management under a variety of authorities at over two thousand (2,000) contaminated sites in Missouri. Many more sites are in an early stage of investigation or as yet unknown to the department. The impetus and philosophy behind Missouri Risk-Based Corrective Action (MRBCA) is to provide a framework for cleanup decisions that facilitates the constructive use of contaminated sites by protecting human health and the environment in the context of current and reasonably anticipated future site use. This framework can streamline the process of site cleanup and closure.

PUBLISHER'S NOTE: The secretary of state has determined that the publication of the entire text of the material which is incorporated by reference as a portion of this rule would be unduly cumbersome or expensive. This material as incorporated by reference in this rule shall be maintained by the agency at its headquarters and shall be made available to the public for inspection and copying at no more than the actual cost of reproduction. This note applies only to the reference material. The entire text of the rule is printed here.

(1) Definitions.

(A) As used in this rule the following terms mean:

1. 7Q10 low-flow of a stream—the average minimum flow for seven (7) consecutive days that has a probable recurrence interval of once-in-ten (10) years;

2. Activity and use limitations (AULs)—mechanisms or controls that ensure that exposure pathways to chemicals of concern (COCs) associated with current or reasonably anticipated future uses are not completed for as long as the COCs would pose an unacceptable risk to human health, public welfare, or the environment if the pathways were complete;

3. Applicable target levels—one (1) of the following for each chemical of concern:

A. The default target level as defined below;

B. The tier 1 risk-based target level as defined below for tier 1 purposes; or

C. A tier 2 or tier 3 site-specific target level as defined below for tier 2 or tier 3 purposes;

4. Chemical of concern (COC)—chemical that may contribute to risk at a site;

5. Commission—the Missouri Hazardous Waste Management Commission;

6. Conceptual site model—information that qualitatively and/or quantitatively describes the relevant site-specific factors that determine the risk COCs pose to human health and the environment and provides a basis for management of a site;

7. Cumulative site-wide risk—sum of risk for all chemicals;

8. Default target level (DTL)—the concentration of a chemical of concern that is the lowest of the tier 1 risk-based target levels for all exposure pathways and below which human receptors are protected from all complete exposure pathways for residential or other unrestricted land use. For each contaminant of concern, the default target level shall be either—

A. The target level shown in Table B-1 of Appendix B of the *Departmental Missouri Risk-Based Corrective Action (MRBCA) Technical Guidance* document published by the Department of Natural Resources, PO Box 176, Jefferson City, MO 65102-0176, dated April 2006 and updated in June 2006 and June 2008, which is

hereby incorporated by reference without any later amendments or additions; or

B. A different value if the department determines in writing that a deviation is appropriate based on changes in the scientific data used to calculate such default target level;

9. Department—the Department of Natural Resources (DNR), which includes the director thereof, or the person or division or program within the department delegated the authority to render a decision, order, determination, finding, or other action that is subject to review by the commission;

10. Domestic use of groundwater—groundwater used for indoor water use activities such as drinking, cooking, showering, and other uses by which a receptor could be exposed to COCs via ingestion, dermal contact, or inhalation of vapors;

11. Ecological risk assessment—the process that evaluates the likelihood that adverse ecological effects may occur or are occurring as a result of exposure of ecological receptors to one (1) or more contaminants of concern;

12. Exposure—contact of a chemical of concern with an organism;

13. Exposure domain—the area that can result in a particular receptor being exposed to COCs by a specified exposure pathway;

14. Exposure factors—human behaviors and characteristics that affect the degree or amount of exposure to a chemical of concern, such as duration, frequency, body weight, inhalation rate, or intake rate;

15. Exposure pathway—the course a chemical takes from a source to the receptor. An exposure pathway describes a unique mechanism by which an individual or population is exposed to chemicals originating from a site. Each exposure pathway includes a source or release from a source, an exposure point, and an exposure route. If the exposure point differs from the source, a transport/exposure medium (e.g., air) or media (in cases of intermedia transfer) also is included. The exposure pathway is considered complete if there are no discontinuities in or impediments to movement from the source of the contaminant to the receptor;

16. Fate and transport parameters—factors that characterize physical site properties that affect how a chemical of concern may travel or disperse in any particular medium;

17. Habitat—a place where an ecological receptor, such as an animal or plant, normally lives;

18. Hazard index—the sum of more than one (1) hazard quotient for multiple substances and/or multiple exposure pathways;

19. Hazard quotient—the ratio of an exposure level to a substance to a non-carcinogenic toxicity value selected for the risk assessment for that substance;

20. Hydraulic conductivity—the volume of water at the existing kinematic viscosity that will move in unit time under a unit hydraulic gradient through a unit area measured at right angles to the direction of flow;

21. Long-term stewardship (LTS)—the system of controls, institutions, and information required to ensure protection of human health, public welfare, and the environment at sites where residual contamination has been left in place above unrestricted use levels for the period of time over which the contaminants exceed those levels. Activity and Use Limitations (AULs) may be an integral part of long term stewardship. AULs shall be designed to ensure that pathways of exposure to COCs associated with current or reasonably anticipated future uses are not completed for as long as the COCs would pose an unacceptable risk to human health, public welfare, or the environment if the pathways were complete;

22. Point of demonstration (POD) wells—wells located between the source and the POE to monitor the COC concentrations in groundwater to prevent exceedances at the POE;

23. Point of exposure (POE)—the nearest down gradient, three-dimensional location that could reasonably be considered for installation of a groundwater supply well;

24. Receptor—an organism that receives, may receive, or has received exposure to a COC as a result of a release. Under the MRBCA program, human receptor refers to a resident child, resident adult, age-adjusted resident (one who resides on the site from birth to age thirty (30)), non-resident adult, or construction worker;

25. Remediating party—the party who is legally responsible for, or who is otherwise taking on the responsibility for, the investigation, risk assessment, and remediation of property known or believed to be contaminated;

26. Representative chemical concentration—the average concentration to which a receptor is exposed over the specified exposure duration, within a specified exposure domain, and for a specific exposure pathway;

27. Risk-based target level (RBTL)—the pathway and chemical-specific concentration of a chemical of concern in an environmental medium that meets an acceptable human health risk level. Risk-based target levels are calculated by the department using standard models and default exposure factors, toxicity factors, physical and chemical properties, and contaminant fate and transport parameters and are applicable at tier 1 of the risk-based corrective action process. For each contaminant of concern, the risk-based target level shall be either—

A. The risk-based target level shown in Tables B-1 through B-11 of Appendix B of the *Departmental Missouri Risk-Based Corrective Action (MRBCA) Technical Guidance* document published by the Department of Natural Resources, PO Box 176, Jefferson City, MO 65102-0176, dated April 2006 and updated in June 2006 and June 2008, which are hereby incorporated by reference without any later amendments or additions; or

B. A different value if the department determines in writing that a deviation is appropriate based on changes in the scientific data used to calculate such risk-based target level;

28. Risk management plan—a written account of all site-specific activities necessary to manage a site's risk to human health, public welfare, and the environment so that acceptable risk levels are not exceeded under current or reasonably anticipated future land use conditions;

29. Route of exposure—the manner or mechanism by which a COC enters a receptor's body, for example, ingestion, inhalation, or dermal contact;

30. Site—areal extent of contamination inclusive of contamination both on the property at which the contamination originated and on all adjacent and nearby properties onto which such contamination has or is likely to migrate;

31. Site-specific target levels (SSTLs)—pathway and chemical specific calculated risk-based target levels that are based on site-specific data and an acceptable risk level considered protective of human health and the environment.

A. Site-specific target levels calculated at tier 2 of the risk-based corrective action process using site-specific fate and transport data and the toxicity factors, parameters for dermal contact pathway, physical and chemical properties, and exposure factors found in tables E-1, E-2, E-3, and E-4, respectively, and default models and equations found in Appendix E of the *Departmental Missouri Risk-Based Corrective Action (MRBCA) Technical Guidance* document published by the Department of Natural Resources, PO Box 176, Jefferson City, MO 65102-0176, dated April 2006 and updated in June 2006 and June 2008, which are hereby incorporated by reference, without any later amendments or additions, and are applicable unless the department determines in writing that a deviation is appropriate based on changes in the scientific data used to calculate the site-specific target levels.

B. Site-specific target levels calculated at tier 3 of the risk-based corrective action process using default, literature-derived, and/or site-specific exposure factors, physical and chemical properties, toxicity factors, and fate and transport data and default, alternative or a combination of default and alternative models are applicable unless the department determines or has determined that a deviation is appropriate based on site-specific conditions or changes in the scientific data used to calculate the site-specific target levels;

32. Source property—the property or properties on which contamination originated;

33. Subsurface soil—soil from three feet (3') below ground surface to the water table;

34. Surficial soil—soil from zero to three feet (0'-3') below ground surface; and

35. Unrestricted use levels—chemical concentrations at which soil and groundwater at a site are safe for residential land use and domestic use of groundwater.

(2) Applicability.

(A) This rule applies to contaminated or potentially contaminated sites. The risk-based corrective action process does not in any way supersede or change applicable federal statutes and regulations. This rule does not supersede the requirement that state programs authorized by the United States Environmental Protection Agency that are operating in lieu of the federal program, including but not limited to the federal Resource Conservation and Recovery Act, be at least as protective as the federal program. This rule does not change the federally mandated, program-specific administrative, technical, and notification requirements on either a remediating party or regulators. Neither the remediating party nor the department can pick or choose portions of the media or sites to which this process will apply. This rule will be applicable only to newly discovered sites, new releases discovered at previously closed sites, on-going cleanups, and site reviews where a different use is being contemplated than planned for at the time of closure. Nothing in this rule addresses any natural resources damages claims that may be applicable at a site.

(B) In the absence of a hazardous substance emergency or any other situation requiring immediate corrective action, and in lieu of complete remediation, any party seeking to remediate a contaminated site within the purview of the Missouri Department of Natural Resources may choose to follow the risk-based process described in this rule, which may be applied at any of the following types of sites:

1. Sites on the registry of abandoned or uncontrolled sites pursuant to section 260.435, RSMo, *et seq*;

2. Sites enrolled in the Voluntary Cleanup Program pursuant to section 260.265, RSMo, *et seq*;

3. Sites with dry-cleaning facilities governed by section 260.900, RSMo, *et seq*; or

4. Any other site where the department and the remediating party agree to apply this rule.

(C) This rule does not apply to petroleum storage tank sites where risk-based corrective action is implemented in accordance with section 319.109, RSMo, and any implementing rules.

(3) Rationale and Characteristics of Tiered Approach. Each tier will result in cleanup target levels that provide an acceptable level of protection to human health, public welfare, and the environment. This rule is based on *Missouri Risk-Based Corrective Action (MRBCA) Technical Guidance* published by the department. Table 1, included herein, shows a comparison of risk-based assessment options.

(4) Risk-Based Corrective Action Process. This section identifies the steps in the process. Requirements for steps (B) through (G) are contained in succeeding sections.

(A) Determination and Abatement of Imminent Threat(s). When imminent threats are discovered, the remediating party shall inform the department immediately. Upon completion of imminent threat abatement actions, the remediating party shall submit a report to the department that documents the activities and confirms that all imminent threats have been abated.

(B) Initial Site Characterization and Comparison with Default Target Levels. The remediating party shall perform an initial site characterization. The initial site characterization shall be conducted to identify with certainty the maximum concentrations of the contaminants or chemicals of concern in each impacted environmental

media and compare the sample concentrations with default target levels (DTLs) and, to the extent needed, water quality criteria (10 CSR 20-7.031). Impacts are to be delineated to the higher of DTLs or other residential levels necessary to protect the receptors from complete exposure pathways. This initial comparison is not required if the remediating party has chosen to conduct a tier 1 or tier 2 analysis.

(C) Development and Validation of Conceptual Site Model. If the maximum concentrations of COCs exceed the DTLs, or the DTLs are not selected as the cleanup levels, the remediating party shall develop and validate a conceptual site model. A conceptual site model shall qualitatively and/or quantitatively describe the relevant site-specific factors that determine the risk COCs pose to human health and the environment. The extent of contamination and complete exposure pathways, not the property boundaries, determine the extent of site-specific data collection and analysis.

(D) Tier 1 Risk Assessment. For the MRBCA process, the acceptable risk levels are—

1. Carcinogenic risk. The total risk for each chemical, which is the sum of risk for all complete exposure pathways for each chemical, shall not exceed 1×10^{-5} . The cumulative site-wide risk (sum of risk for all chemicals and all complete exposure pathways) shall not exceed 1×10^{-4} ; and

2. Non-carcinogenic risk. The hazard index for each chemical, which is the sum of hazard quotients for all complete exposure pathways for each chemical (the total risk), shall not exceed 1.0. The site-wide hazard index, which is the sum of hazard quotients for all chemicals and all complete exposure pathways, shall not exceed 1.0.

3. If the hazard index exceeds 1.0, a qualified toxicologist may calculate the hazard index corresponding to a specific toxicological end point. Based on the comparison of representative concentrations and Tier 1 risk-based target levels or calculated site risk with target risk, the remediating party may—

- A. Request a determination from the department that the residual concentrations are protective of human health, public welfare, and the environment;

- B. Adopt tier 1 risk-based target levels and submit a Risk Management Plan to manage the risk associated with these levels; or

- C. Perform a tier 2 risk assessment. Unless performing a tier 2 risk assessment, upon completion of the tier 1 risk assessment, the remediating party shall submit a tier 1 risk assessment report to the department.

(E) Tier 2 Risk Assessment. Tier 2 risk assessments allow for the use of site-specific fate and transport parameters to calculate site-specific target levels. Tier 2 site-specific target levels are calculated values based on site-specific data, including but not limited to the nature and extent of contamination and physical characteristics of the site. After the tier 2 site-specific target levels have been calculated, the results shall be compared with representative COC concentrations at the site. Based on the comparison results, the remediating party may—

1. Request a determination from the department that the residual concentrations are protective of human health, public welfare, and the environment;

2. Adopt calculated tier 2 site-specific target levels as cleanup levels and develop a risk management plan to manage the risk associated with these levels; or

3. Develop a work plan for a tier 3 risk assessment. Upon completion of the tier 2 risk assessment, the remediating party shall provide a tier 2 risk assessment report to the department.

(F) Tier 3 Risk Assessment. The remediating party shall submit a work plan to the department and receive approval prior to the performance of a Tier 3 risk assessment. Upon completion of the tier 3 risk assessment, the remediating party shall provide a tier 3 risk assessment report to the department.

(G) Development, Approval, and Implementation of Risk Management Plan (RMP). The risk management plan shall protect human health, public welfare, and the environment under current and

reasonably anticipated future use conditions. An RMP shall be developed after the department approves media-specific cleanup levels under any of the tiers. Where residual contamination will be left in place above unrestricted use levels, the RMP shall include an AUL as an integral part of the plan. The RMP shall be implemented as written and approved. Data shall be collected and analyzed to evaluate the performance of the plan and, if needed, to implement modifications. If additional information becomes available while or after the RMP has been implemented that shows the site poses an unacceptable risk to human health, public welfare, or the environment, or that the land use has changed and is no longer compatible with the risk management plan, the department may rescind its decision and require further action at the site.

Table 1
Comparison of Risk Assessment Options

Factors	DTL	Tier 1	Tier 2	Tier 3
Exposure Factors	Default	Default	Default	Site-specific
Toxicity Factors	Default	Default	Default	Most current
Physical and Chemical Properties	Default	Default	Default	Most current
Fate and Transport Parameters	Default	Default	Site-specific	Site-specific
Unsaturated Zone Attenuation	Depth to water table dependent	Depth to water table dependent	Depth to water table dependent	Site-specific model
Fate and Transport Models	Default	Default	Default	Alternative
Comparative Concentrations	Maximum	Representative Concentrations	Representative Concentrations	Representative Concentrations
IELCR for Each Chemical & Exposure Pathway	1×10^{-5}	1×10^{-5}	1×10^{-5}	1×10^{-5}
Hazard Quotient for Each Chemical & Exposure Pathway	1	1	1	1
Site-wide IELCR	1×10^{-4}	1×10^{-4}	1×10^{-4}	1×10^{-4}
Site-wide Hazard Index	1	1	1	1
Domestic Use of Groundwater Pathway if Complete	MCL or equivalent	MCL or equivalent	MCL or equivalent	MCL or equivalent
Ecological Risk	Compare with WQC	Evaluate	Evaluate	Evaluate
Outcome of Evaluation	LOC, Tier 1, RMP	LOC, Tier 2, RMP	LOC, Tier 3, RMP	LOC, RMP
Land Use	No	Yes	Yes	Yes
Activity and Use Limitations	None	Depend on land use, groundwater use, and other assumptions in risk assessment		

DTL: Default Target Level

IELCR: Individual Excess Lifetime Cancer Risk

LOC: Letter of Completion

MCL: Maximum Contaminant Level

RMP: Risk Management Plan

WQC: Water Quality Criteria, 10 CSR 20-7.031

(5) Applicable Target Levels within the MRBCA Process. If an analysis proceeds from DTLs through the tiers and the applicable target levels become lower, the remediating party does not have the option of using higher levels from the previous tier since the higher tiered analysis provides a more precise estimate of the actual risk. Large sites may be divided into smaller areas, and these areas may be managed using different applicable target levels and different AULs.

(6) Documentation of the MRBCA Process. To record the data, analysis, and decision making of the MRBCA process, the remediating party shall develop applicable documents including the initial site characterization, the conceptual site model, the risk assessment, and the risk management plan. Each applicable document shall be provided to the department.

(7) Initial Site Characterization.

(A) The remediating party shall develop an initial site characterization, consisting of a site description, data collection work plan, and comparison of the maximum concentrations of chemicals of concern with default target levels and relevant water quality criteria.

(B) Site Description. The remediating party shall conduct a thorough site reconnaissance and a historic review of site use and site operations to identify existing and potential sources of contamination. The remediating party shall prepare a list of potential chemicals of concern (COCs) and the probable on-site location(s) of COCs. The remediating party shall prepare a site description based on available information, including but not limited to—

1. Knowledge of known or documented releases;
2. Current and past location of certain structures that represent potential sources (for example, pipelines, process areas, pumps, or transformers);
3. Historic documentation of site layout such as aerial photographs, fire insurance maps, etc.;
4. Interviews with current and past owners and operators to understand site activities;
5. Permits issued for various activities; and
6. One (1) or more site visits.

(C) Collection of Data. Prior to the collection of environmental data for the initial site characterization, the remediating party shall submit the initial characterization and data collection work plan to the department for review and approval. The work plan shall meet the minimum data quality assurance/quality control requirements of the department's Quality Management Plan. After approval, the remediating party shall implement the work plan.

(D) Comparison with Default Target Levels and Relevant Water Quality Criteria.

1. The remediating party shall compare the maximum groundwater concentrations with the lower of the DTLs or the applicable water quality criteria. To determine if an ecological risk exists at the site, for any COCs listed in the guidance document for aquatic life protection, determine whether levels found exceed water quality criteria. Other potentially toxic substances for which sufficient toxicity data are not available may not be released to waters of the state until safe levels are demonstrated through adequate bioassay studies.

2. For any COCs found to exceed water quality criteria, determine whether and where there are any complete pathways for receptors by completing a level 1 ecological risk assessment.

3. For both ecological and human health risk assessments, the maximum soil and groundwater concentrations shall be compared with the default target levels (DTLs) presented in Appendix B of the guidance. If the maximum soil and groundwater concentrations do not exceed the DTLs and no ecological risk is identified, the remediating party may petition the department for a letter of completion. If either the soil or groundwater maximum concentrations exceed their comparative values, the remediating party shall either—

A. Conduct a tier 1, tier 2, or tier 3 evaluation; or

B. Select the DTLs (or lower of DTLs and water quality criteria if ecological issues are of concern) as the cleanup levels.

(E) Initial Characterization Report. The remediating party shall document the results of the initial characterization and comparison with target levels in a report to the department.

(8) Conceptual Site Model.

(A) Components of Conceptual Site Model. The remediating party shall develop a conceptual site model, including the following key elements:

1. The chemical release scenario, known and suspected source(s), and chemicals of concern (COCs);
2. Spatial and temporal distribution of COCs in the various affected media;
3. Description of any known existing or proposed land or water use restrictions;
4. Current and reasonably anticipated future land and groundwater use;
5. Description of site stratigraphy, hydrogeology, meteorology, determination of the predominant vadose zone soil type, and identification of surface water bodies that may potentially be affected by site COCs;
6. Remedial activities conducted to date; and
7. An exposure model that identifies the receptors, exposure pathways, and routes of exposure under current and reasonably anticipated future land use conditions.

(B) Determinations of Reasonably Anticipated Future Land Use. The department will make final decisions with respect to the reasonably anticipated future land use of each property that is or is a part of a site evaluated under the risk-based corrective action process. The department will make such decisions in accordance with the following:

1. Decisions will be made in consideration of information available to the department relevant to the future use of a property, including conclusions and recommendations in a risk assessment report, provided to the department by the remediating party, the owner of an adjacent or nearby property affected by a release from the source property being evaluated by the remediating party, or either party's environmental consultant or other authorized designee;
2. The department may also consider information obtained from other information sources, including but not limited to, local, county, state, and federal governmental entities and actual and prospective future purchasers, developers, tenants, and users of the property to which the decision pertains; and
3. The department may request future land use information from the owner, or the owner's authorized designee, of an adjacent or nearby property affected by a release from a source property being evaluated under the risk-based corrective action process. Such owner or designee is not obligated to respond to the department's request.

(C) Exposure Model.

1. In developing an exposure model, the following receptors shall be considered at all sites:

- A. Resident;
- B. Non-resident worker; and
- C. Construction worker.

2. The exposure model shall consider any additional receptors that may be exposed to contamination, both currently and in the future.

3. The exposure model shall include a determination as to whether or not one (1) or more of the following pathways are complete under current or future conditions:

A. Pathways for surficial soils, defined as zero to three feet (0'-3') below ground surface (bgs):

(I) Leaching to groundwater and potential use of groundwater;

(II) Leaching to groundwater and subsequent migration to a surface water body; and

(III) Ingestion of soil, dermal contact with soil, and outdoor inhalation of vapors and particulates emitted by surficial soils.

B. Pathways for subsurface soils, defined as greater than three feet (3') bgs to the water table:

(I) Volatilization and upward migration of vapors from subsurface soil and potential indoor inhalation of these vapor emissions;

(II) Leaching to groundwater and potential use of groundwater; and

(III) Leaching to groundwater and subsequent migration to a surface water body.

C. Soil pathways applicable to construction worker for soil up to depth of construction.

(I) Ingestion, dermal contact with, and inhalation of vapor emissions and particulates from soil.

D. Groundwater pathway applicable to construction worker.

(I) Outdoor inhalation of vapor emissions.

(II) Dermal contact.

E. Pathways for groundwater—

(I) Volatilization and upward migration of vapors from groundwater and potential indoor inhalation of these vapor emissions;

(II) Volatilization and upward migration of vapors from groundwater and potential outdoor inhalation of these vapor emissions;

(III) Ingestion of water, dermal contact with water, and inhalation of vapors if the domestic use of groundwater pathway is complete;

(IV) Dermal contact with groundwater; and

(V) Migration to a surface water body and potential impacts to surface waters.

F. Other pathways that may need to be considered on a site-specific basis include, but are not necessarily limited to, the following:

(I) Ingestion of surface water;

(II) Contact with surface water during recreational activities (ingestion, inhalation of vapors, and dermal contact);

(III) Contact with (accidental ingestion and dermal contact with) sediments;

(IV) Ingestion of produce grown in impacted soils;

(V) Use of groundwater for irrigation purposes;

(VI) Use of groundwater for industrial purposes; or

(VII) Ingestion of fish or other aquatic organisms that have bioaccumulated COCs through the food chain as a result of surface water or sediment contamination.

(D) Evaluation of the Groundwater Use Pathway.

1. The analysis of current and future groundwater use shall include all groundwater zones beneath or in the vicinity of the site that could potentially be—

A. Impacted by site-specific COCs; or

B. Targeted in the future for the installation of water use wells.

2. The current groundwater domestic use pathway is considered complete if water use wells are located on or near the site, and there is a reasonable probability of impact to the wells or the groundwater zones they intersect by site-specific chemical releases.

A. All public water supply wells within a one (1)-mile radius of the site and all private water wells within a quarter (¼)-mile radius of the site shall be identified. Other distances may be used if prescribed by law, or necessary and appropriate based on COC mobility and hydrogeology.

B. Whether a well might be impacted depends on the hydrogeological conditions, well construction, and use of the well, including the following factors:

(I) Characteristics of soil and rock formations;

(II) Groundwater flow direction;

(III) Hydraulic conductivity;

(IV) Distance to the well;

(V) The zone where the well is screened;

(VI) Casing of the well;

(VII) Well seals and other well construction attributes;

(VIII) Zone(s) of influence and capture generated by well pumpage; and

(IX) Biodegradability and other physical and chemical properties of the COCs.

3. For each zone, the future groundwater use pathway will be judged complete if—

A. There is no ordinance that prohibits well drilling in that zone supported by a memorandum of agreement between the department and a governing body; and

B. The zone is suitable for use and there is a reasonable probability of future use, or the zone is the only viable source of future water supply; and

C. There is a reasonable probability of site impacts to the zone.

4. Evaluation of activity and use limitations (AULs). If an AUL is in place that minimizes or eliminates the potential that a specified groundwater zone will serve as a future source of domestic water, the presence of the AUL will be considered along with other relevant site-specific domestic use factors. For early relief from consideration of this pathway, an ordinance that prohibits well drilling along with a memorandum of agreement between the department and a governing body can be used to justify an incomplete pathway.

5. Suitability for use determination: For groundwater to be considered a viable domestic water supply source, it shall meet appropriate total dissolved solids (TDS) and yield criteria—

A. Total dissolved solids criteria – Groundwater containing less than ten thousand milligrams per liter (10,000 mg/L) total dissolved solids is considered a potential source of domestic use;

B. Yield criteria – Groundwater zones capable of producing a minimum of one-quarter (¼) gallon per minute or three hundred sixty (360) gallons per day on a sustained basis have sufficient yield to serve as a potential source of domestic use.

6. Determination of sole source/availability of alternative water supplies. If the groundwater zone being considered is the only viable source of water at or in the vicinity of the site, then the remediating party shall assume that future domestic use is reasonable. This conclusion is irrespective of TDS or yield considerations, and this zone shall be evaluated to determine if it is likely to be impacted by COCs from the site. Determining the availability of alternative water supplies should include consideration of other groundwater zones, municipal water supply systems, and surface water sources;

7. Reasonable probability of future use determination. The probability that a groundwater zone could be used as a future source of water for domestic use shall be a weight of evidence determination based on consideration of the following factors:

A. Current groundwater use patterns in the vicinity of the site under evaluation;

B. Suitability of use (TDS and yield criteria);

C. Availability of alternative water supplies;

D. AULs;

E. Urban development considerations for sites in areas of intensive historic industrial or commercial activity, having groundwater zones in hydraulic communication with industrial or commercial surface activity, and located within metropolitan areas with a population of at least seventy thousand (70,000) as established by the 1970 census; and

F. Aquifer capacity limitations (ability to support a given density of production wells).

8. Probability of impact determination. If a groundwater zone has a reasonable probability of future use as a domestic water supply, the zone shall be evaluated for the probability that the zone could be impacted by site COCs. The evaluation shall consider the nature and extent of contamination at the site, site hydrogeology including the potential presence of karst features, contaminant fate and transport factors and mechanisms, and other pertinent variables. To evaluate potential site impacts to groundwater zones that could serve as future water supply sources, the potential impact shall be evaluated

at the nearest down-gradient location that could reasonably be considered for installation of a groundwater supply well. In the absence of durable AULs, the nearest location might be on the site itself.

(9) Site Characterization for an MRBCA Risk Assessment.

(A) To adequately characterize a site to determine risks, the following categories of data are required. If any categories of data are not included, the site characterization report shall document the reason(s) for the omission.

1. Description and magnitude of the spill or release;
2. Land use, activity and use limitations, and receptor information;
3. Analysis of current and reasonably anticipated future groundwater use;
4. Vadose zone soil characteristics, including determination of soil type;
5. Characteristics of saturated zones;
6. Surface water body characteristics;
7. Ecological receptor information;
8. Meteorology (such as rainfall, infiltration rate, evapotranspiration, wind speed, and direction);
9. Distribution of chemicals of concern in soil;
10. Distribution of chemicals of concern in groundwater;
11. Distribution of chemicals of concern in soil vapor; and
12. Distribution of chemicals of concern in sediments and surface waters.

(B) The remediating party shall develop a work plan, for approval by the department, to address any data inadequacies, as appropriate, including a sampling and analysis plan and a quality assurance project plan (QAPP). Environmental data shall be collected consistent with the department's quality management plan.

(C) Lateral and vertical impacts in soil and groundwater shall be delineated to the extent required to determine—

1. Potential exposure pathways to human and ecological receptors under current and reasonably anticipated future conditions;
2. The extent of impacts above the tiered risk-based levels for the identified exposure pathways; and
3. Exposure domains for each combination of receptor-pathway-route of exposure.

(D) To delineate impacts in other media (for example, surface water, sediments, and air), the number of samples, sample locations, delineation levels, and sampling methodologies will be based on site-specific considerations; hence the remediating party shall receive the department's approval for the work plan prior to conducting fieldwork. For surface water and sediment sampling, the work plan shall contain a strategy to determine background levels; delineation criteria; location of, and concentrations of COCs in, site-related discharges to the surface water; and the current and future extent of related impacts.

(E) For zones of impacted groundwater, plume status (increasing, stable, or decreasing) shall be determined. To assess plume stability, groundwater monitoring shall be conducted for a period of time sufficient to show a reliably consistent trend in contaminant concentrations.

(F) For delineating groundwater impacts where the domestic use of groundwater pathway is complete, delineation criteria will be the lower of the following four (4) criteria:

1. MCLs (in the absence of MCLs, risk-based concentrations that assume ingestion of, dermal contact with, and inhalation of vapors from indoor groundwater use);
2. Land use-dependent concentrations protective of indoor inhalation;
3. Concentrations for the protection of ecological receptors (when such receptors are present); or
4. Non-domestic uses of groundwater (when such uses are present).

(G) Where the domestic use of groundwater pathway is incomplete, the groundwater delineation criteria will be based on other

actually or potentially complete groundwater pathways, or concentrations protective of ecological receptors (when present).

(H) When a discharge of contaminated groundwater to a surface water body (perennial or intermittent stream, river, or lake) is suspected or known, water and sediment samples shall be collected both upstream and downstream of each point of discharge. The remediating party shall compare the sediment sample data with sediment criteria that are protective of human health and ecological receptors that can be obtained from literature or develop site-specific levels and delineate any sediment contamination based on the criteria determined to be applicable as per subsection (9)(D) above.

(I) The following information shall be collected for any surface water impacted by site-related COCs:

1. Distance to the surface water body. If the body is impacted, the distance is zero; if the body might be impacted, the distance should be measured from the leading edge of the groundwater plume or the down-gradient edge of the area of release to the water body;
2. Likely location where COCs from the site would discharge into a surface water body;
3. Flow direction and depth of any groundwater contamination plume(s) in relation to the water body;
4. Lake or stream classification as found in 10 CSR 20-7.031, Table G and Table H respectively;
5. Lake or pond acreage or stream 7Q10 flow rate;
6. Determination of the beneficial uses of the lake or stream as found in 10 CSR 20-7.031, Table G and Table H respectively; and
7. Water quality criteria based upon the beneficial uses of the lake or stream as found in 10 CSR 20-7.031, Table A. If a water quality criterion for a COC is not available, contact the department project manager. If necessary, the project manager can then coordinate with the Water Protection Program (WPP) for further guidance.

(J) Access to Adjacent and Nearby Property Beyond the Source Property. When contamination at concentrations exceeding target levels applicable to residential land use has or is likely to migrate beyond one (1) or more boundaries of the property on which the contamination originated (i.e., the source property) and onto one (1) or more adjacent or nearby properties, the remediating party must gain access to all such properties in order to fully characterize the contamination and assess associated risks, unless the department determines that such access is not required.

1. If the remediating party is unable to gain access to an adjacent or nearby property from the owner of the property or the owner's authorized representative, the remediating party shall—

A. Document all unsuccessful attempts to gain access to the department and obtain concurrence from the department that the attempts to gain access were legitimate and reasonable and that further attempts by the remediating party need not be made;

B. Provide written notice of the contamination to the owner, or the owner's authorized representative, of the adjacent or nearby property to which access has been denied and document such notice to the department; and

C. Document to the department that all applicable target or risk levels have been met at the boundary of the source property and that actions have been taken to ensure that further migration off the source property of COCs at concentrations exceeding the criteria specified in subsections (9)(C) through (G) will not occur in the future.

2. Any letter of completion subsequently issued by the department shall include a statement regarding the denial of access and the property to which access was denied.

(10) Ecological Risk Assessment.

(A) The ecological risk assessment has three (3) levels—

1. Level 1 is a qualitative screening evaluation comprised of checklists A and B of the MRBCA guidance document;
2. Level 2 requires comparison of site-specific COC levels with applicable standards or criteria protective of ecological receptors available in literature; and
3. Level 3 allows for a site-specific evaluation.

(B) Level 1 ecological assessment shall be performed at every tier 1, 2, and 3 site to identify whether any ecological receptors or habitat exist at, adjacent to, or near the site. The following decision criteria shall be used:

1. If the answers to all of the checklist A questions are negative, no further ecological evaluation is necessary;

2. A positive answer to any one (1) of the questions in checklist A implies that a receptor or a habitat exists on or near the site and further evaluation is required, and this evaluation is ecological risk assessment checklist B;

3. If the answer to all of the checklist B questions are negative, the conclusion is that, even though a receptor exists on or near the site, a complete pathway to the receptor(s) does not exist and, therefore, there are no ecological concerns at the site; and

4. If the answer to one (1) or more of the seven (7) questions is positive, a level 2 or level 3 ecological risk assessment is necessary to determine whether contamination at the site poses an unacceptable risk to ecological receptors.

(C) A level 2 and /or level 3 evaluation is necessary only if ecological concerns continue to persist beyond the level 1 evaluation.

1. In a level 2 ecological risk assessment, site-specific COC concentrations that may reach an ecological receptor are compared to Missouri's Water Quality Standards or literature values when standards are not available. If the comparison of representative, site-specific soil, groundwater, surface water, or sediment values indicates that applicable values are exceeded, the remediating party may perform a level 3 ecological risk assessment or use the applicable water quality criteria or literature values as cleanup goals. If water quality criteria or literature values are used, then at least one (1) element of the risk management plan shall address remediation goals to protect ecological receptors.

2. A level 3 ecological risk assessment will include a detailed site-specific evaluation as per current EPA guidance on performing risk assessment. A level 3 ecological risk assessment will require the development of a site-specific, detailed work plan and approval by the department prior to its implementation. If a site-specific analysis determines that the risk to ecological receptors remains unacceptable, then at least one (1) element of the Risk Management Plan shall specify remediation goals to protect ecological receptors.

(11) Representative Concentrations.

(A) Estimating Representative Soil and Groundwater Concentrations. For each receptor—

1. Identify all media of concern;

2. Identify all complete exposure pathways under current and reasonably anticipated future conditions;

3. Identify the exposure domain for each media identified in step 1, and each complete exposure pathway identified in step 2;

4. Identify the chemical concentration data available within the exposure domain for each media; and

5. Calculate the representative concentration.

(B) To ensure the calculated average value is representative, take the following actions:

1. Do not use data beyond the exposure domain. If there is not enough data within the domain, additional data should be collected;

2. Replace the non-detect values with half the detection limit. Concentrations with a "J" laboratory qualifier should use the laboratory-estimated value;

3. If the maximum concentration of a chemical exceeds ten times the representative concentration for any exposure pathway, document the situation and explain its cause in the risk assessment report;

4. If the representative concentration is based in whole or in part on extrapolation using a model, the model must be supported by site-specific data;

5. For groundwater, estimate the average concentration in each well based on recent data, if data from multiple events is available, and then use the average of each well to estimate the representative concentration;

6. If multiple years of data are available for a well, use data from the two (2) most recent years to estimate the representative concentration. Justify the use of any data more than two (2) years old in the report;

7. If free product is present, use the effective solubility or effective vapor pressure to estimate COC concentrations associated with the free product at that point; depending on the extent, multiple data points might be needed to represent the full extent of free product;

8. If the area of impact is smaller than the exposure domain, the exposure factors may be modified in a tier 3 evaluation and representative concentrations calculated over the area of impact; and

9. Do not use soil data collected below the water table for the subsurface-soil-to-indoor-inhalation pathway. Groundwater data from the first encountered saturated zone is used for the groundwater-to-indoor-inhalation pathway.

10. In certain cases, the department may require that area-weighted averaging be used in the development of representative concentrations, in particular when data has been collected using a biased sampling protocol.

(C) Additional Information About Representative Concentrations.

1. For surficial soil concentration for leaching to groundwater, the exposure domain is the area of release. The representative surficial soil concentration is calculated using surficial soil data collected within this exposure domain.

2. For the surficial soil direct contact pathway, the representative concentration is based on the receptor's exposure domain, which is the area of the site over which the receptor might be exposed to the surficial soil. In the absence of specific information about the receptor's activities, the unpaved portion of a site is the receptor's exposure domain. For potential future exposures in the absence of any engineered controls, assume the pavement will be removed and the receptor will be exposed to surficial soil. For a non-resident worker, the average concentration over the domain may be used. For a child receptor (actual or potential and for residential land use), the maximum concentration is used and the representative concentration need not be calculated.

3. For subsurface soil, consider two (2) exposure pathways: leaching of residual chemical concentrations from subsurface soil to groundwater, and indoor inhalation of vapor emissions. Calculate a representative concentration for each complete pathway. Calculate additional representative concentrations if the receptor's domain differs under current and reasonably anticipated future conditions.

4. For the construction worker receptor, consider accidental ingestion, dermal contact and outdoor inhalation of vapors and particulates from soil, outdoor inhalation of vapors from groundwater, and dermal contact with groundwater. For representative soil concentration for the construction worker, no distinction is made between surficial and subsurface soil. Estimate the representative concentration based on the depth of construction and the areal extent of construction. If the areal extent of the construction area is not known, assume construction will be within the area of release unless there are site limitations that would prevent construction in that area. For representative groundwater concentrations for construction worker, estimate the areal extent of the construction zone. The representative concentration is calculated using data from within this zone.

5. Groundwater.

A. For groundwater, consider three (3) exposure pathways: ingestion, dermal contact, and indoor inhalation of vapor emissions from groundwater. The analysis considers specific aquifers that are or might be used for domestic use or in any other manner in which dermal contact could occur. Representative concentrations shall be calculated for each aquifer that is or is reasonably likely to be used for domestic purposes. The shallowest aquifer is considered for the indoor inhalation of vapor emissions from groundwater pathway.

B. For the groundwater domestic use pathway, maximum contaminant levels (MCLs) or, where MCLs are not established, calculated risk-based concentrations shall be met at the point of exposure. The point of exposure well may be hypothetical. One (1) or more

point-of-demonstration wells shall be established, if possible. Target concentrations shall be calculated for both point of exposure and point-of-demonstration wells. The representative concentration at the point of exposure or demonstration are calculated as follows. If chemical concentrations in groundwater are stable, the representative concentration is the arithmetic average of the most recent data collected over a period of at least two (2) years on at least a quarterly basis. If chemical concentrations are decreasing, the representative concentration is the arithmetic average of the most recent data collected over a period of at least one and one-half (1½) years on at least a quarterly basis.

C. For representative groundwater concentration for the protection of indoor inhalation, use a model approved by the department.

D. For the indoor inhalation of vapors from groundwater pathway, the calculation of multiple representative concentrations may be required if the plume has migrated below several current or potential future buildings.

E. For representative groundwater concentration for dermal contact, use the average concentration of chemicals in the groundwater that a receptor might contact. More than one (1) representative concentration may be needed if a receptor might contact groundwater from more than one (1) aquifer or saturated zone.

(12) Selection of COCs for MRBCA Evaluation.

(A) The remediating party may focus the risk assessment on the data for chemicals of concern (COCs) that contribute to the total risk at a site and eliminate—

1. Data analyzed using an outdated analytical method or a wrong and unproven method;
2. Data that is not adequately supported by corresponding quality assurance/quality control (QA/QC) data/measures;
3. Data that is not considered representative of current conditions; or
4. Data collected prior to earlier remediation at the site, if that remediation affected or likely affected that data.

(B) If data is eliminated, it should be replaced with better data unless the eliminated data is not necessary for site characterization or risk assessment purposes. Eliminating COCs from further consideration due to laboratory artifacts or common laboratory contaminants shall be supported by site-specific QA/QC information.

(C) If more than thirty (30) chemicals are selected as COCs, additional chemicals may be eliminated by the use of the toxicity screen (EPA, 1989). The screening procedure shall identify and possibly eliminate chemicals that are likely to contribute relatively little (less than one percent (1%)) to the total risk. Use the following steps to complete this procedure:

1. Identify the maximum concentration of the chemical in each media;
2. Select the toxicity value(s). For chemicals that have different toxicity values for various routes of exposure, use the highest toxicity value;
3. Estimate the carcinogenic and non-carcinogenic toxicity score by multiplying the concentration with the slope factor, and by dividing the concentration with the reference dose, respectively;
4. Estimate the site score by adding the toxicity score for each chemical and each media. A separate site score is calculated for carcinogenic and non-carcinogenic effects; and
5. Estimate the percent contribution of each chemical to the site score and eliminate chemicals that have a very low score relative to the other chemicals.

(D) Document the rationale for the elimination of any chemicals. Upon completion of the tier 1, tier 2, or tier 3 evaluation, chemicals that were eliminated shall be reviewed and a determination made of whether their inclusion would have resulted in an unacceptable risk.

(13) Applicable Target Levels. Use the following parameters to calculate default target levels (DTLs) and tier 1 risk-based target levels.

These may also be used in tier 2 evaluation. The calculation of the tier 1 risk-based target levels and the tiers 2 and 3 site-specific target levels require the following: 1) acceptable risk level; 2) chemical-specific toxicological factors; 3) chemical-specific physical and chemical properties; 4) receptor-specific exposure factors; 5) fate and transport parameters; and 6) mathematical models.

(A) Tier 1 Target Levels. Tier 1 risk-based target levels are calculated for each COC, each receptor (child, adult resident, age-adjusted resident, non-residential worker, and construction worker), and each of the following exposure pathways using conservative assumptions applicable to most Missouri sites. Tier 1 risk-based target levels are not adjusted for the presence of other exposure pathways and COCs, and any additional exposure pathways shall be considered in using these levels. The pathways included in paragraph (8)(B)3. are considered in tier 1.

(B) Tier 2 Target Levels. The remediating party shall calculate the site-specific target levels for all COCs and all complete exposure pathways using technically justifiable, site-specific data and taking into consideration target risk and the additive effect of multiple COCs and multiple complete exposure pathways. The default fate and transport models used for developing the tier 1 risk-based target levels shall be used.

(C) Tier 3 Target Levels. Tier 3 target levels are calculated for the pathways listed in paragraph (8)(B)3. In addition, target levels must be calculated for all other complete exposure pathways that may include exposure through, for instance, ingestion of produce grown in impacted soils; use of groundwater for irrigation purposes; use of groundwater for industrial purposes; or ingestion of fish or other aquatic organisms that have bioaccumulated COCs through the food chain as a result of surface water or sediment contamination. Alternative fate and transport models, different exposure factors and scenarios, and site-specific data may be used to develop tier 3 site-specific target levels if approved by the department.

(D) Risk Levels. For carcinogenic effects, risk is quantified using individual excess lifetime cancer risk (IELCR), and, for non-carcinogenic effects, the risk is quantified using a hazard quotient (HQ) or hazard index (HI). A hazard index is the sum of hazard quotients when multiple chemicals and multiple exposure pathways are evaluated. For evaluating the groundwater domestic use pathway, maximum contaminant levels (MCLs) are used as the target concentrations at the point of exposure. For COCs that do not have MCLs, the target concentration at the point of exposure (POE) is estimated assuming ingestion of, dermal contact with, and indoor inhalation of vapors from groundwater use under residential conditions. Potential impacts to surface waters from a release shall be evaluated against water quality standards (10 CSR 20-7.031). Other potentially toxic substances for which sufficient toxicity data are not available may not be released to waters of the state until safe levels are demonstrated through adequate bioassay studies. Tier 1 risk-based target levels are based on risk levels of 1×10^{-5} for the carcinogenic chemicals and a hazard quotient of 1.0 for non-carcinogenic chemicals and do not account for cumulative site-wide risk. These target levels shall be adjusted to address cumulative site-wide risk, where appropriate. The acceptable risk levels are presented in subsection (4)(D).

(14) Conducting a Tier 1 Risk Assessment. If the maximum soil or groundwater concentrations exceed the default target levels (DTLs) and the remediating party wishes to continue the risk-based remediation, the remediating party shall either conduct the cleanup using DTLs as cleanup levels or complete a tier 1 risk assessment as follows. A tier 1 risk assessment consists of the following steps:

(A) Compile relevant site characterization data including that necessary to determine the predominant vadose zone soil type;

(B) Develop an exposure model, including—

1. All complete exposure pathways for current and reasonably anticipated future land use;

2. The exposure domain for each complete exposure pathway identified above; and

3. The point of exposure for each exposure pathway;

(C) Collect data to fill any site characterization or risk assessment data gaps;

(D) Calculate media and pathway-specific representative concentrations for chemicals of concern (COCs). If the risk calculated with the use of the maximum concentrations meets the tier 1 risk-based target levels, calculation of representative concentrations is not necessary;

(E) Compare representative site concentrations with selected tier 1 risk-based target levels from lookup tables of the guidance document referenced in section (22). For residential land use, tier 1 values are the lower of the values for the three (3) receptors: child, adult, and age-adjusted individual;

(F) Calculate cumulative site-wide risk and compare with acceptable risk, if necessary. The cumulative site-wide risks calculated in this step are compared with acceptable cumulative site-wide risk levels. The cumulative site-wide risk is calculated for each receptor using the following two (2)-step process:

1. The risk of each chemical for each complete (current or future) exposure pathway; and

2. The total risk for each chemical (sum of risk for all exposure pathways) and the site-wide risk (sum of risk of all chemicals for all pathways) for each receptor;

(G) Evaluate the next course of action. The remediating party may request that the department issue a letter of completion for the site if—

1. The analysis indicates that both the cumulative site-wide risk (all chemicals and all complete pathways) and the risk for each chemical (all complete pathways) for all receptors is acceptable; or

2. The representative concentration for all COCs and all complete exposure pathways are below the tier 1 risk-based target levels;

(H) Document the tier 1 risk assessment and recommendations. If a tier 2 assessment is also conducted, both tier 1 and tier 2 assessments may be submitted as one (1) report. The tier 1 risk assessment report shall include, but not necessarily be limited to, the following:

1. Site background and chronology of events;

2. Data used to perform the evaluation;

3. Documentation of the exposure model and its underlying assumptions;

4. If cumulative risk calculation is required, the estimated risk for each chemical, each exposure pathway, each receptor, each media, and the cumulative site-wide risk for each receptor;

5. Recommendations based on the tier 1 risk assessment (either tier 2 assessment or preparation of a risk management plan); and

6. If a letter of completion is requested, documentation that both the cumulative site-wide risk (all carcinogenic and non-carcinogenic COCs and all complete pathways) and the risk for each COC (carcinogenic and non-carcinogenic and all complete pathways) for all receptors have been met or that representative concentrations for all COCs and all exposure pathways are below the tier 1 risk-based target levels;

(I) To conclude a remediation at tier 1, the following four (4) conditions must be met:

1. If relevant, a groundwater plume is stable or decreasing. If this condition is not satisfied, the remediating party shall continue groundwater monitoring until the plume is demonstrably stable or propose the application of a predictive model to demonstrate the extent to which COC concentrations will increase or the areal extent of the plume will expand and how such increases or expansion will effect the conclusions of the tier 1 risk assessment;

2. The maximum concentration of any COC in any sample used in developing a representative concentration is less than ten (10) times the representative concentration of that COC for any exposure pathway. This condition can be met if an exceedance can be explained by any of the following, appropriate action is taken to address the condition, and the department approves the risk assessment with this explanation:

A. The maximum concentration is an outlier;

B. The representative concentration was inaccurately calculated;

C. The site is not adequately characterized; or

D. Other explanation satisfactory to the department;

3. Pursuant to section (18), long-term stewardship is established if any contaminant of concern exceeds unrestricted levels after cleanup; and

4. There are no ecological concerns at the site, as determined by confirmation that the maximum representative concentrations are below levels protective of ecological receptors or completion of the ecological risk assessment. This condition can be met if an unacceptable ecological risk can be managed through actions recommended in the risk management plan and approved by the department; and

(J) If the remediating party chooses to remediate the site to meet the tier 1 risk-based target levels, the cleanup criteria are the lowest of the concentrations protective of human health, both carcinogenic and non-carcinogenic, and ecological receptors.

(15) Conducting a Tier 2 Risk Assessment. If any of the representative concentrations at the site are above the tier 1 risk-based target levels or if the cumulative site-wide risk exceeds acceptable target risk levels, and the remediating party wishes to continue the risk-based remediation, the remediating party shall either conduct the cleanup using tier 1 risk-based target levels or complete a tier 2 risk assessment as follows. A tier 2 risk assessment may also be required by the department if the site-specific fate and transport parameters or other site conditions are different from the default assumptions used to develop tier 1 risk-based target levels. Concluding a tier 2 risk assessment is subject to the conditions in subsection (14)(I). A tier 2 risk assessment shall include the following steps:

(A) Compile site-specific fate and transport parameters. Fate and transport parameters are considered site-specific if they are—

1. Measured on site at the appropriate location using approved methods;

2. Literature values justified as being representative of site conditions;

3. Default values justified as representative of current conditions at the site or shown to be conservative based on site conditions; or

4. Documented values from a nearby site in a similar hydrogeologic setting. In cases that show considerable variability in fate and transport parameter values, the department may require a sensitivity analysis. The guidance document provides considerations related to each parameter that may be considered in a tier 2 analysis; deviations from the guidance document in the development of any parameter must be explained in the risk assessment document;

(B) Calculate Tier 2 Risk Levels. At tier 2, risk values shall be individually calculated for each COC and each complete exposure pathway. Then the total risk for each COC and the cumulative site-wide risk shall be calculated. In calculating the tier 2 risk, the models, physical-chemical properties, toxicological properties, and exposure factors will be the same as used in the tier 1 risk calculations;

(C) Tier 2 risks for each COC and the total site-wide risk will be compared with the acceptable risk levels. The total acceptable individual excess lifetime cancer risk for each COC is 1×10^{-5} . The acceptable risk level for site-wide cumulative individual excess lifetime cancer risk is 1×10^{-4} . The acceptable hazard quotient (HQ) for each COC and each exposure pathway as well as the hazard index is 1.0. Based on this comparison, one (1) of the following four (4) outcomes is possible:

1. The calculated individual excess lifetime cancer risk for each COC and the cumulative site-wide individual excess lifetime cancer risk are below the acceptable risk levels. In such case, it is not necessary to develop tier 2 site-specific target levels for carcinogenic effects;

2. Either the individual COC or the cumulative site-wide individual excess lifetime cancer risk exceeds the acceptable risk level. In such case, tier 2 site-specific target levels shall be developed;

3. The calculated cumulative site-wide hazard index (sum of the hazard quotients for all chemicals for all exposure pathways) is acceptable (less than 1.0). In such case, it is not necessary to develop tier 2 site-specific target levels for non-carcinogenic adverse health effects; and

4. The hazard quotient for each COC is acceptable (less than 1.0), but the site-wide hazard index is unacceptable (greater than 1.0). In such case, the remediating party may segregate the COCs by target organ, system, or mode of action and derive hazard indices for each. If each of these cumulative hazard indices is acceptable (less than 1.0), it is not necessary to develop tier 2 site-specific target levels for these COCs for non-carcinogenic health effects. If not acceptable (greater than 1.0), site-specific target levels for the COCs in the group that exceed the hazard index of 1.0 shall be developed. A toxicologist shall perform this analysis. In calculating the hazard index, COCs with multiple effects shall be included in each category of organ affected by that COC;

(D) Calculate Tier 2 Site-Specific Target Levels. If risk levels (carcinogenic and non-carcinogenic, individual and site-wide) are exceeded and remediation is not proposed to lower risk to acceptable levels, tier 2 site-specific target levels shall be developed as per subsection (13)(B);

(E) Evaluate the Next Course of Action.

1. The remediating party may request that the department issue a letter of completion for the site if—

A. The representative concentration for all COCs and all the exposure pathways are below the tier 2 site-specific target levels; or

B. The analysis at subsections (15)(B) and (C) indicates that both the cumulative site-wide risk (all chemicals and all complete pathways, cancer and hazard indices) and the risk for each chemical (all pathways, cancer and hazard indices) for all receptors is acceptable; and

C. All other conditions in subsection (14)(I) are satisfied.

2. The remediating party shall decide either to use the calculated tier 2 site specific target levels as the cleanup levels and conduct corrective action to meet these levels or perform a tier 3 risk assessment if the analysis determines—

A. The risk any chemical poses (all pathways, cancer and hazard indices) to any human or ecological receptor exceeds acceptable levels; or

B. The cumulative site-wide risk (all chemicals and all complete pathways, cancer and hazard indices) exceeds acceptable levels; or

C. The representative concentrations exceed the calculated tier 2 site specific target levels.

3. Based on the decision above, the remediating party shall recommend one (1) of the following:

A. Remediation to tier 2 site-specific target levels. If the remediating party decides to remediate the site to tier 2 site-specific target levels, the cleanup levels will be the lower of concentrations protective of human health, both carcinogenic and non-carcinogenic, and ecological receptors; or

B. Performance of a tier 3 risk assessment; and

(F) The risk assessment shall be documented. If a tier 1 risk assessment is also conducted, both tier 1 and tier 2 risk assessments may be submitted as one (1) report. The tier 2 risk assessment report shall include but is not necessarily limited to the following:

1. Site background and chronology of events;

2. Data used to perform the evaluation including, as applicable, calculated tier 2 site-specific target levels;

3. Documentation of the exposure model and its assumptions;

4. Documentation and justification of all fate and transport parameters used in the development of tier 2 site-specific target levels;

5. Estimated risk for each COC, each exposure pathway, and each receptor, and the cumulative site-wide risk for each receptor and media;

6. Recommendations based on the tier 2 risk assessment; and

7. If a letter of completion is requested, documentation that all four (4) of the risk conditions (carcinogenic and non-carcinogenic chemicals, individual and site-wide risk) and the conditions listed in subsection (14)(I) have been met.

(16) Conducting a Tier 3 Risk Assessment. If any of the representative concentrations at the site are above the tier 2 site-specific target levels or if the individual or cumulative site-wide risks exceed acceptable target risk levels, and the remediating party wishes to continue the risk-based remediation, the remediating party shall either conduct the cleanup using tier 2 site-specific target levels or complete a tier 3 risk assessment as follows. A tier 3 risk assessment may use the most recent toxicity factors, physical and chemical properties, site-specific exposure factors, and alternative models. Concluding a tier 3 risk assessment is subject to the conditions in subsection (14)(I). A tier 3 risk assessment consists of the following steps:

(A) Develop a tier 3 work plan. The tier 3 risk assessment must consider the receptors for which risks exceed acceptable levels as determined in tier 2 and any additional receptors identified in tier 3. Receptors for which risks do not exceed acceptable risk levels as determined at tier 2 need not be evaluated. All chemicals of concern (COCs) considered in the tier 2 risk assessment must be considered in the tier 3 analysis unless new data collected after the tier 2 assessment indicates they no longer pose unacceptable risk and the condition can be documented to the department, in which case the COCs may be eliminated from consideration. The department must approve a tier 3 work plan. The technical portion of the work plan shall include but not necessarily be limited to the following:

1. Identification of the receptors that will be evaluated in tier 2;

2. Identification of the COCs and the exposure pathways for which tier 3 risk will be calculated;

3. An explanation of the fate and transport models to be used for the calculation of risk for the identified exposure pathways;

4. A tabulation of the input parameters required to calculate the tier 3 risk and a justification for the use of each selected value;

5. A discussion of the data and the methodology that will be used to calculate the representative concentrations;

6. An explanation of data gaps, if any, that require additional fieldwork and a scope of work for the collection of this data;

7. A discussion of the variability and uncertainty in the input parameters and the manner in which the impact of this variability on the final risk will be evaluated; and

8. An evaluation of ecological risk, if any, in addition to ecological risk assessments previously completed;

(B) Collect additional data, if necessary. Upon approval of the Tier 3 work plan, the remediating party shall perform the necessary fieldwork to collect the data. Any changes in the data collection due to field conditions or logistics of fieldwork shall be discussed with the department prior to completion of the field effort;

(C) Calculate tier 3 risk. Estimate the carcinogenic and non-carcinogenic risk for all COCs, receptors, and exposure pathways, using the models and data in accordance with the approved work plan. At tier 3, the risk values shall be calculated for each COC and each exposure pathway. The total risk for each COC (sum of risk for all the complete exposure pathways for a COC) and the cumulative site-wide risk (sum of risk for all COCs and all complete exposure pathways) shall then be calculated. Ecological risk must also be considered according to the work plan;

(D) Compare tier 3 risks with acceptable risk levels. Total risks for each COC as well as cumulative site-wide risk for each receptor are compared with respective acceptable risk levels. If the calculated risks for each COC and the cumulative site-wide risk do not exceed the target risk levels, tier 3 site-specific target levels need not be developed, and, if the other conditions set forth in subsection (14)(I) are satisfied, the remediating party may request a letter of completion from the department;

(E) The remediating party shall develop site-specific target levels and propose remedial actions to achieve these levels if the analysis finds that either—

1. The total risk any COC poses (considering all pathways and both carcinogenic and non-carcinogenic risk) to any of the human or ecological receptors is unacceptable; or

2. The cumulative site-wide risk (considering all COCs, all complete pathways, and both carcinogenic and non-carcinogenic risk) posed to any of the human or ecological receptors is unacceptable.

The site-specific target levels and the methodologies used to achieve these levels shall be included in the risk management plan; and

(F) The remediating party shall submit a tier 3 risk assessment report that clearly describes the data and methodology used, key assumptions, results, and recommendations. Any deviation from the approved scope of work, the rationale for the deviation, and approval by the department shall be clearly documented in the report. The report shall include but not necessarily be limited to—

1. Site background and chronology of events;
2. Data used to perform the evaluation, including any calculated tier 3 site-specific target levels;
3. Documentation of the exposure model and its assumptions;
4. Documentation and justification of all input parameters used;
5. Estimated risk for each COC, each exposure pathway, each receptor, and the site-wide risk for each receptor and media;
6. Recommendations based on the tier 3 risk assessment; and
7. If a letter of completion is requested, documentation that all the risk conditions (carcinogenic and non-carcinogenic chemicals, individual and site-wide risk) and the conditions at subsection (14)(I) have been met.

(17) Data Quality. Following are the areas that shall be addressed to meet quality assurance/quality control requirements for environmental measurement data collected as part of the MRBCA process. These minimum requirements include the necessary components for work plans submitted for department approval to conduct environmental data collection and the necessary QA/QC documentation to be submitted after data collection.

(A) Work plans for site characterization must include the following, each of which is subject to QA/QC requirements:

1. Sampling and analysis plan,
2. Field sampling plan; and
3. Quality assurance project plan.

(B) Characterization reports, including tier 1, tier 2, and tier 3 risk assessment reports, are subject to QA/QC requirements, in particular—

1. Field QA/QC documentation requirements; and
2. Laboratory QA/QC documentation requirements.

(C) For field QA/QC planning and documentation, the following practices shall be observed, if applicable:

1. Calibration and maintenance records for field instrumentation;
2. Documentation of sample collection procedures;
3. Reporting of any variances made in the field to sampling plans, standard operating procedures (SOPs), or other applicable guidance documents;
4. Reporting of all field analysis results;
5. Documentation of sample custody (provide copies of chain-of-custody documents);
6. Documentation of sample preservation, handling, and transportation procedures;
7. Documentation of field decontamination procedures (and, if applicable, collection and analysis of equipment rinsate blanks);
8. Collection and analysis of all required duplicate, replicate, background, and trip blank samples; and
9. Documentation of disposal of investigation-derived wastes.

(D) All analytical data shall be accompanied by QA/QC sample results. The following shall be considered in laboratory QA/QC planning and documentation, if applicable:

1. If the published analytical method used specifies QA/QC requirements within the method, those requirements shall be met and the QA/QC data reported with the sample results;

2. At a minimum, QA/QC samples shall consist of the following items (where applicable):

- A. Method/instrument blank;
- B. Extraction/digestion blank;
- C. Initial calibration information;
- D. Initial calibration verification;
- E. Continuing calibration verification;
- F. Laboratory fortified blanks/laboratory control samples;
- G. Duplicates;
- H. Matrix spikes/matrix spike duplicates; and
- I. Documentation of appropriate instrument performance data such as internal standard and surrogate recovery.

(E) Risk Management Plan. If the risk management plan involves environmental data collection, such as further site characterization, confirmatory samples shall follow the requirements of subsection (17)(A). If the risk management plan does not involve sampling but only LTS (including but not limited to AULs), then data QA/QC would not be a component.

(F) Completion of Risk Management Plan. If implementation of the risk management plan involves sampling, then the following components, as explained in subsections (17)(C) and (D) above, pertain—

1. Field QA/QC documentation requirements; and
2. Laboratory QA/QC documentation requirements.

(18) Long-Term Stewardship (LTS) for Risk-Based Corrective Action Sites.

(A) Activity and use limitations (AULs) shall be used at any site where a chemical of concern concentration exceeds unrestricted use levels after cleanup. Where required, AULs shall be fully developed and proposed as part of the risk management plan. To be approved, a risk management plan with proposed controls must be consistent with this rule and any other controls or limitations that are required by the specific legal authority governing the cleanup. AULs shall be established as environmental covenants pursuant to sections 260.1000 to 260.1039, RSMo, or, alternatively, AULs for groundwater contamination at a site may be addressed through an ordinance and memorandum of agreement described in subsection (18)(G) below or well location and construction restrictions described in subsection (18)(J) below. Department of Defense sites may be addressed through subsection (18)(H) below. Environmental covenants may be supplemented with other AULs as provided in subsections (18)(I) and (18)(J) below.

(B) AULs shall guarantee that pathways of exposure to chemicals of concern (COCs) remain incomplete for as long as there are chemicals remaining that could pose an unacceptable risk to human health, public welfare, or the environment.

(C) AULs shall be readily accessible, durable, reliable, enforceable, and consistent with the risk posed by the COCs. Environmental covenants, letters of completion, and any additional requirements of the authority under which remediation is being performed apply to the property.

(D) Environmental covenants shall be enforceable by the department and shall contain the following elements:

1. State that the instrument is an environmental covenant executed under sections 260.1000 to 260.1039, RSMo;
2. Contain a legally sufficient description of the real property subject to the covenant;
3. Describe the activity and use limitations on the real property;
4. Identify every holder;
5. Be signed by the department, every holder, and, unless waived by the department, every owner of the fee simple of the real property subject to the covenant; and
6. Identify the name and location of any administrative record for the environmental response project reflected in the environmental covenant.

(E) The following elements may be included in an environmental covenant for clarity or based on site-specific conditions:

1. Requirements for notice following transfer of a specified interest in, concerning proposed changes in use of, applications for building permits for, or proposals for any site work affecting the contamination on the property subject to the covenant;

2. Requirements for periodic reporting describing compliance with the covenant;

3. Rights of access to the property granted in connection with implementation or enforcement of the covenant;

4. A brief description of the contamination and remedy, including the contaminants of concern, the pathways of exposure, limits on exposure, and the location and extent of the contamination;

5. Limitation on amendment or termination of the covenant in addition to those contained in sections 260.1024 and 260.1027, RSMo; and

6. Rights of the holder in addition to its right to enforce the covenant under section 260.1030, RSMo.

7. The department may require those persons specified by the department who have interests in the real property to sign the covenant.

(F) A copy of the recorded covenant that references the book and page of recording shall be submitted to the department as part of the completion of the risk management plan report before the department will issue a letter of completion. The covenant does not become effective until it is officially recorded in the chain of title for the property. A covenant remains in effect unless amended or terminated in accordance with section 260.1024 or 260.1027, RSMo. The use of a site shall be consistent with the terms of the environmental covenant established on the property.

(G) Ordinances and Supporting Memoranda of Agreement. An ordinance and supporting memorandum of agreement may be used as an AUL if it prohibits the installation of water supply wells and requires the closure of any existing private wells, but does not expressly prohibit the installation of public potable water supply wells and require the closure of such wells owned and operated by units of local government that are part of the agreement. In a request for approval of a local ordinance and supporting memorandum of agreement as an AUL, the remediating party shall submit the following to the department:

1. A copy of the ordinance restricting groundwater use, including prohibitions on new wells, certified by an official of the unit of local government representative of the area in which the site is located that it is a true and accurate copy of the ordinance, and supporting information including—

- A. A scaled map(s) delineating the area and extent of groundwater contamination above the applicable remediation objectives including a summary of any measured data showing concentrations of chemicals of concern for which the applicable remediation objectives are exceeded;

- B. Scaled map delineating the boundaries of all properties under which groundwater is located that exceeds the applicable groundwater remediation objectives and information identifying the current owner(s) of each property identified in the boundary map;

- C. Documentation that the current owners identified in subparagraph (18)(G)1.B. above have been notified that groundwater that extends beneath their property is the subject of a risk-based cleanup and that each has been sent a copy of this request as submitted to the department; and

- D. Documentation that the current property owners identified in subparagraph (18)(G)1.B. above have been notified of the intent to use the local ordinance as an AUL; and

2. A supporting memorandum of agreement (MOA) between the department and the local government which includes the following provisions:

- A. Identification of the authority of the unit of local government to enter into the MOA;

- B. Identification of the legal boundaries, or equivalent, to which the ordinance is applicable;

- C. A certified copy of the ordinance expressly prohibiting the installation of public and private potable water supply wells, the use of such wells, and the closure of existing wells;

- D. A commitment by the unit of local government to notify the department of any variance requests or proposed ordinance changes at least thirty (30) days prior to the date the local government is scheduled to take action on the request or proposed change;

- E. A commitment by the unit of local government to maintain a list of all sites within the geographical unit of local government that have received letters of completion under the MRBCA process;

- F. A provision that allows departmental access to information necessary to monitor adherence to requirements in subparagraphs (18)(G)2.D. and (18)(G)2.E. above;

- G. If applicable, the terms of any commitment by the local government to reimburse the department for periodic review of the local ordinance and actions relating to it, and for any actions taken by the department to address increased risks that arise from actions taken by the local government on the ordinance or related to it; and

- H. The commitment of the local government to enforce the ordinance.

(H) For any Department of Defense (DOD) properties that contain contaminants of concern exceeding unrestricted use levels after cleanup, an environmental covenant will be required at the time that such property is transferred to a non-federal entity or person. For property owned by the DOD, other land use or institutional control mechanisms may be used as part of the risk management plan if approved by the department.

(I) Engineered controls or barriers may be used as AULs as part of the risk management plan to prevent direct human or environmental exposure to contaminants, and environmental covenants shall accompany their use. Any letter of completion determination that is based, in whole or in part, upon the use of engineered controls requires effective inspection and maintenance of the engineered control. The inspection, maintenance, and integrity certification requirements will be included in the risk management plan and environmental covenant.

(J) Well location and construction restrictions may be used as AULs to the extent that they restrict access to certain groundwaters and thus limit the pathway for contaminants.

(19) Risk Management Plan.

(A) A risk management plan shall encompass all activities necessary to manage a site's risk to human health, public welfare, and the environment so that acceptable risk levels are not exceeded under current or reasonably anticipated future land use conditions. The risk management plan shall ensure that assumptions made in the estimation of risk and development of applicable target levels are not violated in the future, and the groundwater extent of contamination is stable or decreasing. A site-specific risk management plan, approved by the department, is required at a site under any one (1) of the following conditions:

1. The total (sum of all pathways) carcinogenic risk for any COC exceeds 1×10^{-5} ;

2. The hazard index (sum of all pathways) for any COC exceeds 1.0 (or, if appropriate, the hazard index for individual organ, system, or mode of action);

3. The cumulative site-wide carcinogenic risk (sum of COCs and all exposure pathways) exceeds 1×10^{-4} ;

4. The site-wide hazard index (sum of COCs and all exposure pathways) for individual adverse health effects exceeds 1.0 (or, if appropriate, the hazard index for individual organ, system, or mode of action);

5. Although neither the carcinogenic or non-carcinogenic risk for any COC nor the site-wide risk exceeds acceptable levels, the risk assessment was based on site-specific assumptions that require a risk management plan;

6. Although neither the carcinogenic nor non-carcinogenic risk for any COC nor the site-wide risk exceeds acceptable levels, the groundwater plume is expanding and such expansion, either as an

increase in COC concentrations or a physical expansion of the plume, would result in unacceptable risks; or

7. Ecological risk does not meet the acceptable criteria.

(B) Successful implementation of the risk management plan will result in a letter of completion from the department. The department will approve the risk management plan as submitted or provide comments. Upon receipt of approval, the remediating party shall implement the plan. The plan shall include—

1. Rationale explaining why the risk management plan was prepared and the specific objectives of the plan;

2. Reference to the approved risk assessment report;

3. An explanation of technologies to be used to reduce mass, concentration, or mobility of COCs to meet the applicable target levels determined for the site or specific engineering activities to be used to mitigate excessive risks;

4. Data to be collected and quality control/quality assurance procedures for collection, documentation, analysis, and reporting during the implementation of the risk management plan;

5. Application of long-term stewardship provisions to eliminate certain pathways of exposure or to ensure pathways remain incomplete under current and reasonably anticipated future uses and that site information remains publicly available;

6. If needed, monitoring demonstrating plume stability or the effectiveness of monitored natural attenuation;

7. A schedule for implementation of the plan, including all major milestones and all deliverables to the department;

8. Criteria to determine whether the risk management plan has been successfully implemented; and

9. As needed, contingency plans if the risk management plan fails to provide adequate protection in a timely manner.

(20) Completion of Risk Management Activities. Upon successful implementation of the approved risk management plan, the remediating party shall submit a completion of the risk management plan report to the department for approval that includes but is not necessarily limited to—

(A) Documentation of completion of all risk management activities; and

(B) If applicable, a request to plug and abandon all nonessential monitoring wells related to the environmental activities at the site.

(21) Public Participation and Notice.

(A) When contamination in any media at concentrations exceeding target levels applicable to residential land use has or is likely to migrate beyond one (1) or more boundaries of the property on which the contamination originated (i.e., the source property) and onto one (1) or more adjacent or nearby properties, the department will provide notice to those members of the public directly affected by the contamination and the planned risk management activities. Where it determines appropriate, the department will also provide notice to the local (city or county) government.

(B) If the department determines that implementation of an approved risk management plan has failed to achieve applicable target or risk levels or otherwise successfully mitigate excessive risks associated with contamination, and the department is considering terminating the RMP, the department will provide public notice regarding the failure of the RMP to those members of the public directly affected by the contamination and the RMP and, as appropriate, the local government.

1. Notice may be made via one (1) or more of the following means or other means determined appropriate by the department:

A. Notice in newspapers having circulation in the area in which the site is located;

B. Block advertisements;

C. Public service announcements;

D. Publication in a state register;

E. Letters to individual households;

F. Letters to property owners;

G. Letters to government agencies; or

H. Personal contacts by department field staff.

2. The notice will provide for a minimum of thirty (30) days in which to submit comments to the department regarding the subject of the notice. The notice must specify a date by which comments must be submitted to the department, a contact for the department and a telephone number at which that person may be contacted, and the department's mailing address and electronic mail address to which comments shall be directed.

(C) In each instance in which the department determines that public notice as per subsection (21)(A) or (21)(B) above is required, before providing the public notice, the department will give the remediating party an opportunity to provide the required public notice in lieu of the department. If the remediating party declines, fails to meet notification deadlines as prescribed by the department, or provides notice the department believes to be inadequate, the department will provide the public notice.

(D) When contamination associated with a site is, without cleanup or other actions, contained to the property on which the contamination originated such that chemicals of concern at concentrations above residential target levels do not extend off the property of origin, and, after cleanup, one (1) or more chemicals of concern exist on the property at concentrations exceeding unrestricted use levels such that an AUL per subsection (18)(A) is required, the department, or the remediating party in lieu of the department, will notify the local government in writing.

1. The notification shall include a description and address of the property, the name and address of the remediating party, the name and address of the department contact, and an explanation of the type and extent of contamination, that the cleanup levels applied pertained to non-residential land use, and that an AUL has been recorded in the property chain of title to restrict certain uses of and activities on the property. A copy of the AUL, as recorded with the Office of the Recorder, must be included with the notification.

2. If local government notification is made by the remediating party in lieu of the department, the remediating party must submit a copy of the written notification provided to the local government to the department with documentation appropriate to demonstrate that the local government received the notification.

(E) The department will review each comment received as a result of the public notice provided for above and determine an appropriate response to each and collectively.

(22) Procedure for Letter of Completion.

(A) After the risk management plan has been successfully implemented, the remediating party may request a letter of completion from the department. The department will issue a letter if it determines that all requirements of the approved risk management plan have been satisfied. The letter would state that, based on the information submitted, the concentrations of COCs on the site do not pose an unacceptable level of risk to human health, public welfare, and the environment for the current and reasonably anticipated future land use and provided that all applicable long-term stewardship requirements remain in place.

(B) The department will include all of the following in a letter of completion:

1. An acknowledgement that the requirements of the risk management plan were satisfied, including reference to the administrative record supporting completion of the site work and acknowledging continuing requirements of the risk management plan, if any;

2. The use level of remediation objectives specifying any long-term stewardship requirements imposed as part of the remediation efforts;

3. A statement that the department's issuance of the letter of completion signifies achievement of risk reduction under applicable laws and regulations in implementing the approved risk management plan, other than any continuing requirements of the risk management plan, and that the site does not present unacceptable risks to human health, public welfare, and the environment based upon currently known information. If the site is part of a larger parcel of property

or if the remediating party limited the cleanup to specific environmental conditions and related contaminants of concern, or both, the letter of completion may include this information;

4. The prohibition against the use of the site in a manner inconsistent with any use limitation imposed as a result of the remediation efforts without additional appropriate remedial activities;

5. A description of any preventive, engineered, or institutional controls or monitoring, including long-term monitoring of wells, required in the approved risk management plan or a reference identifying where risk management plan information can be found;

6. The obligation to record the letter of completion in the chain of title for the site;

7. Notification that further information regarding the site can be obtained from the department through a request under the Missouri Sunshine Law (Chapter 610, RSMo);

8. A standard agency reservation of rights clause for previously unknown or changing site conditions. This wording may vary depending upon the authority overseeing the remediation;

9. Notification that the letter of completion may be voided for reasons listed in subsection (21)(E); and

10. A description of the site by legal description, by reference to a plat showing the boundaries, or by other means sufficient to identify site location, any of which may be an attachment to the letter.

(C) If only a portion of the site or only selected contaminants at a site were remediated, the letter of completion may contain any other provisions agreed to by the department and the remediating party, such as the limitation of the letter to the specific area or contaminants. The remediating party receiving a letter of completion from the department shall submit the letter, and, where the remediating party is not the sole owner of the remediation site, an owner certification described below, to the Office of the Recorder of the county or city not within a county in which the site is located within forty-five (45) days after receipt of the letter. The Office of the Recorder will record the letter and, where applicable, the owner certification so that it forms a permanent part of the chain of title for the property. The remediating party is responsible for any cost of recording. Where the remediating party is not the sole owner of the site, the remediating party shall obtain a certification by original signature of each owner, or the authorized agent of the owner(s), of the site or any portion of the site. The certification shall be recorded along with the letter of completion. The certification shall read as follows: "I hereby certify that I have reviewed the attached letter of completion, and that I accept the terms and conditions and will abide by any AULs set forth in the letter." The issuance of the letter is contingent on obtaining this certification from all owners. A letter of completion is effective upon the date of the official recording of the letter and any associated owner certification(s). Until it is in the chain of title, the letter of completion is effective only between the department and the remediating party. The remediating party shall obtain and submit to the department an acknowledgement from the Office of the Recorder that a copy of the letter and any owner certifications have been recorded. This acknowledgement shall be provided to the department within thirty (30) days after recording to demonstrate that the recording requirements have been satisfied.

(D) No site with activity or use limitations or other long-term stewardship requirements may be used in an inconsistent manner unless further evaluation or remediation documents the attainment of objectives appropriate for the new land use or activity. If the department approves modified long-term stewardship requirements, an updated letter of completion reflecting the new site conditions and requirements may be obtained and recorded as described above.

(E) The department may void a letter of completion, with prior notice to the current title holder or holders of the site and to the remediating party at the last known address, if site use and activities are not managed in full compliance with the approved risk management plan. Specific acts or omissions that may result in voiding of the letter of completion include and are not limited to—

1. Failure to adhere to the terms of an environmental covenant;

2. Failure to adhere to any other applicable institutional controls, land use restrictions, or other environmental limitation;

3. Failure of the owner, operator, remediating party, or any subsequent transferee to operate and maintain preventive or engineered controls, to comply with any monitoring plan, or to disturb the site contrary to the established limitations;

4. Disturbance or removal of contamination that has been left in place if such disturbance or removal is not in accordance with the risk management plan;

5. Failure to comply with the recording requirements or to complete them in a timely manner;

6. Obtaining the letter of completion by fraud or misrepresentation; and

7. Subsequent discovery of contaminants, releases, or other site-specific conditions not identified as part of the investigative or remedial activities and which pose a threat to human health, public welfare, or the environment.

(23) MRBCA Technical Guidance.

(A) DNR shall develop and maintain a technical guidance document for implementation of the MRBCA process that shall include, at a minimum, the following:

1. Equations and default factors to be used in the derivation of RBTLs and SSTLs;

2. Tables of tier 1 RBTLs; and

3. Additional elaboration or description that may be useful for implementing the MRBCA process not covered in this rule.

(B) Changes to the DNR MRBCA technical guidance will occur only after a stakeholder process that includes, at a minimum, the following:

1. Stakeholder notification of proposed changes a minimum of sixty (60) days prior to issuance of new guidance;

2. Opportunity for stakeholder input, including submission of written comments, prior to the issuance of the new guidance; and

3. DNR shall prepare and distribute responses to stakeholder comments prior to issuance of the new guidance.

AUTHORITY: sections 260.370, 260.470, and 260.905, RSMo Supp. 2008 and sections 260.437, 260.465, 260.500, 260.510, 260.520, 260.567, 260.573, 644.026, and 644.143, RSMo 2000. Original rule filed Jan. 30, 2009.

PUBLIC COST: This proposed rule will not cost state agencies or political subdivisions more than five hundred dollars (\$500) in the aggregate.

PRIVATE COST: This proposed rule will not cost private entities more than five hundred dollars (\$500) in the aggregate.

NOTICE OF PUBLIC HEARING AND NOTICE TO SUBMIT COMMENTS: A public hearing on this proposed rule will begin at 10:00 a.m., April 16, 2009. The public hearing will be held at the Department of Natural Resources Conference Center, Bennett Spring/Roaring River Conference Room, 1730 East Elm Street, Jefferson City, MO 65101. Opportunity to be heard at the hearing shall be afforded any interested person. Written request to be heard should be submitted at least seven (7) days prior to the hearing to Director, Missouri Department of Natural Resources' Division of Environmental Quality, PO Box 176, Jefferson City, MO 65102-0176, (573) 522-9911. Interested persons, whether or not heard, may submit a written or email statement of their views until 5:00 p.m., April 24, 2009. Written comments shall be sent to John Madras, Missouri Department of Natural Resources' Division of Environmental Quality, PO Box 176, Jefferson City, MO 65102-0176. Email comments shall be sent to john.madras@dnr.mo.gov.

**Title 20—DEPARTMENT OF INSURANCE,
FINANCIAL INSTITUTIONS AND PROFESSIONAL
REGISTRATION
Division 400—Life, Annuities and Health
Chapter 2—Accident and Health Insurance in General**

SPECIAL NEEDS: If you have any special needs addressed by the Americans With Disabilities Act, please notify us at (573) 751-2619 at least five (5) working days prior to the hearing.

PROPOSED RULE

20 CSR 400-2.200 Dependent Coverage

PURPOSE: The purpose of this rule is to outline the requirements for extending coverage to dependents past any limiting age as prescribed in sections 354.536, 376.426, and 376.776, RSMo.

(1) Applicability. All group health insurance policies subject to section 376.426, RSMo, individual accident or sickness insurance policies subject to section 376.776, RSMo, and health maintenance organization (HMO) plans subject to section 354.536, RSMo, that are delivered, issued for delivery, continued, or renewed in this state and provide coverage to any resident of this state shall provide benefits or coverage for a dependent until that dependent's twenty-fifth birthday.

(2) Continuation of Coverage.

(A) The policy holder, certificate holder, or enrollee shall provide to the insurer or HMO an election to continue coverage for an eligible dependent child entitled to continued coverage under sections 376.426, 376.776, or 354.536, RSMo, within thirty-one (31) days after the dependent child's attainment of limiting age under the contract.

(B) When an insurer's health benefit plan replaces another insurer's health benefit plan of similar benefits, the dependent child's coverage being continued under sections 376.426, 376.776, or 354.536, RSMo, shall be allowed to continue under the replacement plan if the dependent child is enrolled during the open enrollment period for the new health benefit plan.

(C) Insurers shall comply with section 376.820, RSMo, regarding residency of a child.

(D) A dependent child entitled to continued coverage under sections 376.426, 376.776, or 354.536, RSMo, shall be considered a resident of the state if such dependent child is required to be covered by court order in a divorce decree while the dependent is residing outside of the state of Missouri.

(3) This rule does not prohibit an insurer or HMO from extending such coverage past a dependent's twenty-fifth birthday.

AUTHORITY: sections 354.485 and 374.045, RSMo Supp. 2008. Original rule filed Jan. 30, 2009.

PUBLIC COST: This proposed rule will not cost state agencies or political subdivisions more than five hundred dollars (\$500) in the aggregate.

PRIVATE COST: This proposed rule will cost private entities approximately twenty-four thousand six hundred fifty dollars (\$24,650) in the aggregate.

NOTICE OF PUBLIC HEARING AND NOTICE TO SUBMIT COMMENTS: *A public hearing will be held on this proposed rule at 10:00 a.m. on April 2, 2009. The public hearing will be held at the Harry S Truman State Office Building, Room 530, 301 West High Street, Jefferson City, Missouri. Opportunities to be heard at the hearing shall be afforded to any interested person. Interested persons, whether or not heard, may submit a written statement in support of or in opposition to the proposed rule, until 5:00 p.m. on April 9, 2009. Written statements shall be sent to Tamara Kopp, Department of Insurance, Financial Institutions and Professional Registration, PO Box 690, Jefferson City, MO 65102.*

**FISCAL NOTE
PRIVATE COST**

I. RULE NUMBER

Rule Number and Name:	20 CSR 400-2.200 Dependent Coverage
Type of Rulemaking:	Proposed Rule

II. SUMMARY OF FISCAL IMPACT

Estimate of the number of entities by class which would likely be affected by the adoption of the proposed rule:	Classification by types of the business entities which would likely be affected:	Estimate in the aggregate as to the cost of compliance with the rule by the affected entities:
493 companies in this market	Estimated number of Accident and Health companies which may file forms because of the proposed rule	Less than \$24,650 in one time costs.

III. WORKSHEET

Estimated number of companies issuing accident and health insurance is 493. The filing fee for each life insurance form filing is \$50. \$50 times 493 potential filings equals \$24,650.

IV. ASSUMPTIONS

The estimated aggregate cost of \$24,650 is likely much less because of the variable nature of health contracts resulting in the diminished need to file forms. Not all insurers will need to file forms outside regular form update filings.

This section will contain the final text of the rules proposed by agencies. The order of rulemaking is required to contain a citation to the legal authority upon which the order of rulemaking is based; reference to the date and page or pages where the notice of proposed rulemaking was published in the *Missouri Register*; an explanation of any change between the text of the rule as contained in the notice of proposed rulemaking and the text of the rule as finally adopted, together with the reason for any such change; and the full text of any section or subsection of the rule as adopted which has been changed from that contained in the notice of proposed rulemaking. The effective date of the rule shall be not less than thirty (30) days after the date of publication of the revision to the *Code of State Regulations*.

The agency is also required to make a brief summary of the general nature and extent of comments submitted in support of or opposition to the proposed rule and a concise summary of the testimony presented at the hearing, if any, held in connection with the rulemaking, together with a concise summary of the agency's findings with respect to the merits of any such testimony or comments which are opposed in whole or in part to the proposed rule. The ninety (90)-day period during which an agency shall file its order of rulemaking for publication in the *Missouri Register* begins either: 1) after the hearing on the proposed rulemaking is held; or 2) at the end of the time for submission of comments to the agency. During this period, the agency shall file with the secretary of state the order of rulemaking, either putting the proposed rule into effect, with or without further changes, or withdrawing the proposed rule.

Title 3—DEPARTMENT OF CONSERVATION Division 10—Conservation Commission Chapter 5—Wildlife Code: Permits

ORDER OF RULEMAKING

By the authority vested in the Conservation Commission under sections 40 and 45 of Art. IV, Mo. Const., the commission amends a rule as follows:

3 CSR 10-5.300 Apprentice Hunter Authorization **is amended**.

A notice of proposed rulemaking containing the text of the proposed amendment was published in the *Missouri Register* on November 17, 2008 (33 MoReg 2100). No changes have been made in the text of the proposed amendment, so it is not reprinted here. This proposed amendment becomes effective thirty (30) days after publication in the *Code of State Regulations*.

SUMMARY OF COMMENTS: No comments were received.

Title 3—DEPARTMENT OF CONSERVATION Division 10—Conservation Commission Chapter 5—Wildlife Code: Permits

ORDER OF RULEMAKING

By the authority vested in the Conservation Commission under sections 40 and 45 of Art. IV, Mo. Const., the commission withdraws a proposed amendment as follows:

3 CSR 10-5.315 Resident Lifetime Fishing Permit **is withdrawn**.

A notice of proposed rulemaking containing the text of the proposed amendment was published in the *Missouri Register* on November 17, 2008 (33 MoReg 2100). This proposed amendment is withdrawn.

SUMMARY OF COMMENTS: The Conservation Commission received two hundred seventy-nine (279) comments in opposition to the proposed amendment.

COMMENTS: Those individuals commenting objected to charging senior citizens a fee to fish and hunt small game.

RESPONSE: The Conservation Commission reviewed the comments received during the public comment period and, as a result, is withdrawing the proposed amendment.

Title 3—DEPARTMENT OF CONSERVATION Division 10—Conservation Commission Chapter 5—Wildlife Code: Permits

ORDER OF RULEMAKING

By the authority vested in the Conservation Commission under sections 40 and 45 of Art. IV, Mo. Const., the commission withdraws a proposed rule as follows:

3 CSR 10-5.321 Resident Senior Hunt and Fish Forever Permit **is withdrawn**.

A notice of proposed rulemaking containing the text of the proposed rule was published in the *Missouri Register* on November 17, 2008 (33 MoReg 2101). This proposed rule is withdrawn.

SUMMARY OF COMMENTS: The Conservation Commission received two hundred seventy-nine (279) comments in opposition to the proposed rule.

COMMENTS: Those individuals commenting objected to charging senior citizens a fee to fish and hunt small game.

RESPONSE: The Conservation Commission reviewed the comments received during the public comment period and, as a result, is withdrawing the proposed rule.

Title 3—DEPARTMENT OF CONSERVATION Division 10—Conservation Commission Chapter 5—Wildlife Code: Permits

ORDER OF RULEMAKING

By the authority vested in the Conservation Commission under sections 40 and 45 of Art. IV, Mo. Const., the commission withdraws a proposed rule as follows:

3 CSR 10-5.322 Resident Senior Fish Forever Permit **is withdrawn**.

A notice of proposed rulemaking containing the text of the proposed rule was published in the *Missouri Register* on November 17, 2008 (33 MoReg 2101). This proposed rule is withdrawn.

SUMMARY OF COMMENTS: The Conservation Commission received two hundred seventy-nine (279) comments in opposition to the proposed rule.

COMMENTS: Those individuals commenting objected to charging senior citizens a fee to fish.

RESPONSE: The Conservation Commission reviewed the comments received during the public comment period and, as a result, is withdrawing the proposed rule.

**Title 3—DEPARTMENT OF CONSERVATION
Division 10—Conservation Commission
Chapter 5—Wildlife Code: Permits**

ORDER OF RULEMAKING

By the authority vested in the Conservation Commission under sections 40 and 45 of Art. IV, Mo. Const., the commission withdraws a proposed rule as follows:

**3 CSR 10-5.323 Resident Senior Hunt Forever Permit
is withdrawn.**

A notice of proposed rulemaking containing the text of the proposed rule was published in the *Missouri Register* on November 17, 2008 (33 MoReg 2101–2102). This proposed rule is withdrawn.

SUMMARY OF COMMENTS: The Conservation Commission received two hundred seventy-nine (279) comments in opposition to the proposed rule.

COMMENTS: Those individuals commenting objected to charging senior citizens a fee to hunt small game.

RESPONSE: The Conservation Commission reviewed the comments received during the public comment period and, as a result, is withdrawing the proposed rule.

**Title 3—DEPARTMENT OF CONSERVATION
Division 10—Conservation Commission
Chapter 5—Wildlife Code: Permits**

ORDER OF RULEMAKING

By the authority vested in the Conservation Commission under sections 40 and 45 of Art. IV, Mo. Const., the commission withdraws a proposed amendment as follows:

**3 CSR 10-5.330 Resident Small Game Hunting and Fishing
Permit is withdrawn.**

A notice of proposed rulemaking containing the text of the proposed amendment was published in the *Missouri Register* on November 17, 2008 (33 MoReg 2102–2103). This proposed amendment is withdrawn.

SUMMARY OF COMMENTS: The Conservation Commission received five thousand eight hundred forty-five (5,845) comments in opposition to the proposed amendment.

COMMENTS: Those individuals commenting objected to increases in permit prices for Missouri residents given the current economic downturn.

RESPONSE: The Conservation Commission reviewed the comments received during the public comment period and, as a result, is withdrawing the proposed amendment.

**Title 3—DEPARTMENT OF CONSERVATION
Division 10—Conservation Commission
Chapter 5—Wildlife Code: Permits**

ORDER OF RULEMAKING

By the authority vested in the Conservation Commission under sections 40 and 45 of Art. IV, Mo. Const., the commission withdraws a proposed amendment as follows:

3 CSR 10-5.340 Resident Fishing Permit is withdrawn.

A notice of proposed rulemaking containing the text of the proposed amendment was published in the *Missouri Register* on November 17, 2008 (33 MoReg 2104–2105). This proposed amendment is withdrawn.

SUMMARY OF COMMENTS: The Conservation Commission received five thousand eight hundred forty-five (5,845) comments in opposition to the proposed amendment.

COMMENTS: Those individuals commenting objected to increases in permit prices for Missouri residents given the current economic downturn.

RESPONSE: The Conservation Commission reviewed the comments received during the public comment period and, as a result, is withdrawing the proposed amendment.

**Title 3—DEPARTMENT OF CONSERVATION
Division 10—Conservation Commission
Chapter 5—Wildlife Code: Permits**

ORDER OF RULEMAKING

By the authority vested in the Conservation Commission under sections 40 and 45 of Art. IV, Mo. Const., the commission withdraws a proposed amendment as follows:

**3 CSR 10-5.345 Resident Small Game Hunting Permit
is withdrawn.**

A notice of proposed rulemaking containing the text of the proposed amendment was published in the *Missouri Register* on November 17, 2008 (33 MoReg 2106–2107). This proposed amendment is withdrawn.

SUMMARY OF COMMENTS: The Conservation Commission received five thousand eight hundred forty-five (5,845) comments in opposition to the proposed amendment.

COMMENTS: Those individuals commenting objected to increases in permit prices for Missouri residents given the current economic downturn.

RESPONSE: The Conservation Commission reviewed the comments received during the public comment period and, as a result, is withdrawing the proposed amendment.

**Title 3—DEPARTMENT OF CONSERVATION
Division 10—Conservation Commission
Chapter 5—Wildlife Code: Permits**

ORDER OF RULEMAKING

By the authority vested in the Conservation Commission under sections 40 and 45 of Art. IV, Mo. Const., the commission withdraws a proposed amendment as follows:

**3 CSR 10-5.351 Resident Firearms Any-Deer Hunting Permit
is withdrawn.**

A notice of proposed rulemaking containing the text of the proposed amendment was published in the *Missouri Register* on November 17, 2008 (33 MoReg 2108–2109). This proposed amendment is withdrawn.

SUMMARY OF COMMENTS: The Conservation Commission received five thousand eight hundred forty-five (5,845) comments in opposition to the proposed amendment.

COMMENTS: Those individuals commenting objected to increases in permit prices for Missouri residents given the current economic downturn.

RESPONSE: The Conservation Commission reviewed the comments received during the public comment period and, as a result, is withdrawing the proposed amendment.

**Title 3—DEPARTMENT OF CONSERVATION
Division 10—Conservation Commission
Chapter 5—Wildlife Code: Permits**

ORDER OF RULEMAKING

By the authority vested in the Conservation Commission under sections 40 and 45 of Art. IV, Mo. Const., the commission withdraws a proposed amendment as follows:

**3 CSR 10-5.352 Resident Firearms Antlerless Deer Hunting
Permit is withdrawn.**

A notice of proposed rulemaking containing the text of the proposed amendment was published in the *Missouri Register* on November 17, 2008 (33 MoReg 2110–2111). This proposed amendment is withdrawn.

SUMMARY OF COMMENTS: The Conservation Commission received five thousand eight hundred forty-five (5,845) comments in opposition to the proposed amendment.

COMMENTS: Those individuals commenting objected to increases in permit prices for Missouri residents given the current economic downturn.

RESPONSE: The Conservation Commission reviewed the comments received during the public comment period and, as a result, is withdrawing the proposed amendment.

**Title 3—DEPARTMENT OF CONSERVATION
Division 10—Conservation Commission
Chapter 5—Wildlife Code: Permits**

ORDER OF RULEMAKING

By the authority vested in the Conservation Commission under sections 40 and 45 of Art. IV, Mo. Const., the commission withdraws a proposed amendment as follows:

**3 CSR 10-5.359 Resident Managed Deer Hunting Permit
is withdrawn.**

A notice of proposed rulemaking containing the text of the proposed amendment was published in the *Missouri Register* on November 17, 2008 (33 MoReg 2112–2113). This proposed amendment is withdrawn.

SUMMARY OF COMMENTS: The Conservation Commission received five thousand eight hundred forty-five (5,845) comments in opposition to the proposed amendment.

COMMENTS: Those individuals commenting objected to increases in permit prices for Missouri residents given the current economic downturn.

RESPONSE: The Conservation Commission reviewed the comments received during the public comment period and, as a result, is withdrawing the proposed amendment.

**Title 3—DEPARTMENT OF CONSERVATION
Division 10—Conservation Commission
Chapter 5—Wildlife Code: Permits**

ORDER OF RULEMAKING

By the authority vested in the Conservation Commission under sections 40 and 45 of Art. IV, Mo. Const., the commission withdraws a proposed amendment as follows:

3 CSR 10-5.360 Resident Archer's Hunting Permit is withdrawn.

A notice of proposed rulemaking containing the text of the proposed amendment was published in the *Missouri Register* on November 17, 2008 (33 MoReg 2114–2115). This proposed amendment is withdrawn.

SUMMARY OF COMMENTS: The Conservation Commission received five thousand eight hundred forty-five (5,845) comments in opposition to the proposed amendment.

COMMENTS: Those individuals commenting objected to increases in permit prices for Missouri residents given the current economic downturn.

RESPONSE: The Conservation Commission reviewed the comments received during the public comment period and, as a result, is withdrawing the proposed amendment.

**Title 3—DEPARTMENT OF CONSERVATION
Division 10—Conservation Commission
Chapter 5—Wildlife Code: Permits**

ORDER OF RULEMAKING

By the authority vested in the Conservation Commission under sections 40 and 45 of Art. IV, Mo. Const., the commission withdraws a proposed amendment as follows:

3 CSR 10-5.365 Resident Turkey Hunting Permits is withdrawn.

A notice of proposed rulemaking containing the text of the proposed amendment was published in the *Missouri Register* on November 17, 2008 (33 MoReg 2116–2117). This proposed amendment is withdrawn.

SUMMARY OF COMMENTS: The Conservation Commission received five thousand eight hundred forty-five (5,845) comments in opposition to the proposed amendment.

COMMENTS: Those individuals commenting objected to increases in permit prices for Missouri residents given the current economic downturn.

RESPONSE: The Conservation Commission reviewed the comments received during the public comment period and, as a result, is withdrawing the proposed amendment.

**Title 3—DEPARTMENT OF CONSERVATION
Division 10—Conservation Commission
Chapter 5—Wildlife Code: Permits**

ORDER OF RULEMAKING

By the authority vested in the Conservation Commission under sections 40 and 45 of Art. IV, Mo. Const., the commission withdraws a proposed amendment as follows:

3 CSR 10-5.370 Resident Trapping Permit is withdrawn.

A notice of proposed rulemaking containing the text of the proposed amendment was published in the *Missouri Register* on November 17, 2008 (33 MoReg 2118–2119). This proposed amendment is withdrawn.

SUMMARY OF COMMENTS: The Conservation Commission received five thousand eight hundred forty-five (5,845) comments in opposition to the proposed amendment.

COMMENTS: Those individuals commenting objected to increases in permit prices for Missouri residents given the current economic downturn.

RESPONSE: The Conservation Commission reviewed the comments received during the public comment period and, as a result, is withdrawing the proposed amendment.

**Title 3—DEPARTMENT OF CONSERVATION
Division 10—Conservation Commission
Chapter 5—Wildlife Code: Permits**

ORDER OF RULEMAKING

By the authority vested in the Conservation Commission under sections 40 and 45 of Art. IV, Mo. Const., the commission withdraws a proposed amendment as follows:

3 CSR 10-5.375 Resident Cable Restraint Permit is withdrawn.

A notice of proposed rulemaking containing the text of the proposed amendment was published in the *Missouri Register* on November 17, 2008 (33 MoReg 2120–2121). This proposed amendment is withdrawn.

SUMMARY OF COMMENTS: The Conservation Commission received five thousand eight hundred forty-five (5,845) comments in opposition to the proposed amendment.

COMMENTS: Those individuals commenting objected to increases in permit prices for Missouri residents given the current economic downturn.

RESPONSE: The Conservation Commission reviewed the comments received during the public comment period and, as a result, is withdrawing the proposed amendment.

**Title 3—DEPARTMENT OF CONSERVATION
Division 10—Conservation Commission
Chapter 5—Wildlife Code: Permits**

ORDER OF RULEMAKING

By the authority vested in the Conservation Commission under sections 40 and 45 of Art. IV, Mo. Const., the commission withdraws a proposed amendment as follows:

3 CSR 10-5.425 Resident Archery Antlerless Deer Hunting Permit is withdrawn.

A notice of proposed rulemaking containing the text of the proposed amendment was published in the *Missouri Register* on November 17, 2008 (33 MoReg 2122–2123). This proposed amendment is withdrawn.

SUMMARY OF COMMENTS: The Conservation Commission received five thousand eight hundred forty-five (5,845) comments in opposition to the proposed amendment.

COMMENTS: Those individuals commenting objected to increases in permit prices for Missouri residents given the current economic downturn.

RESPONSE: The Conservation Commission reviewed the comments received during the public comment period and, as a result, is withdrawing the proposed amendment.

**Title 3—DEPARTMENT OF CONSERVATION
Division 10—Conservation Commission
Chapter 5—Wildlife Code: Permits**

ORDER OF RULEMAKING

By the authority vested in the Conservation Commission under sections 40 and 45 of Art. IV, Mo. Const., the commission withdraws a proposed amendment as follows:

3 CSR 10-5.435 Migratory Bird Hunting Permit is withdrawn.

A notice of proposed rulemaking containing the text of the proposed amendment was published in the *Missouri Register* on November 17, 2008 (33 MoReg 2126–2127). This proposed amendment is withdrawn.

SUMMARY OF COMMENTS: The Conservation Commission received five thousand eight hundred forty-five (5,845) comments in opposition to the proposed amendment.

COMMENTS: Those individuals commenting objected to increases in permit prices for Missouri residents given the current economic downturn.

RESPONSE: The Conservation Commission reviewed the comments received during the public comment period and, as a result, is withdrawing the proposed amendment.

**Title 3—DEPARTMENT OF CONSERVATION
Division 10—Conservation Commission
Chapter 5—Wildlife Code: Permits**

ORDER OF RULEMAKING

By the authority vested in the Conservation Commission under sections 40 and 45 of Art. IV, Mo. Const., the commission withdraws a proposed amendment as follows:

3 CSR 10-5.440 Daily Fishing Permit is withdrawn.

A notice of proposed rulemaking containing the text of the proposed amendment was published in the *Missouri Register* on November 17, 2008 (33 MoReg 2130–2131). This proposed amendment is withdrawn.

SUMMARY OF COMMENTS: The Conservation Commission received five thousand eight hundred forty-five (5,845) comments in opposition to the proposed amendment.

COMMENTS: Those individuals commenting objected to increases in permit prices for Missouri residents given the current economic downturn.

RESPONSE: The Conservation Commission reviewed the comments received during the public comment period and, as a result, is withdrawing the proposed amendment.

**Title 3—DEPARTMENT OF CONSERVATION
Division 10—Conservation Commission
Chapter 5—Wildlife Code: Permits**

ORDER OF RULEMAKING

By the authority vested in the Conservation Commission under sections 40 and 45 of Art. IV, Mo. Const., the commission withdraws a proposed amendment as follows:

3 CSR 10-5.445 Daily Small Game Hunting Permit is withdrawn.

A notice of proposed rulemaking containing the text of the proposed amendment was published in the *Missouri Register* on November 17, 2008 (33 MoReg 2132–2133). This proposed amendment is withdrawn.

SUMMARY OF COMMENTS: The Conservation Commission received five thousand eight hundred forty-five (5,845) comments in opposition to the proposed amendment.

COMMENTS: Those individuals commenting objected to increases in permit prices for Missouri residents given the current economic downturn.

RESPONSE: The Conservation Commission reviewed the comments received during the public comment period and, as a result, is withdrawing the proposed amendment.

**Title 3—DEPARTMENT OF CONSERVATION
Division 10—Conservation Commission
Chapter 6—Wildlife Code: Sport Fishing: Seasons,
Methods, Limits**

ORDER OF RULEMAKING

By the authority vested in the Conservation Commission under sections 40 and 45 of Art. IV, Mo. Const., the commission amends a rule as follows:

3 CSR 10-6.410 Fishing Methods is amended.

A notice of proposed rulemaking containing the text of the proposed amendment was published in the *Missouri Register* on November 17, 2008 (33 MoReg 2160). No changes have been made in the text of the proposed amendment, so it is not reprinted here. This proposed amendment becomes effective thirty (30) days after publication in the *Code of State Regulations*.

SUMMARY OF COMMENTS: No comments were received.

**Title 3—DEPARTMENT OF CONSERVATION
Division 10—Conservation Commission
Chapter 6—Wildlife Code: Sport Fishing: Seasons,
Methods, Limits**

ORDER OF RULEMAKING

By the authority vested in the Conservation Commission under sections 40 and 45 of Art. IV, Mo. Const., the commission amends a rule as follows:

3 CSR 10-6.415 Restricted Zones is amended.

A notice of proposed rulemaking containing the text of the proposed amendment was published in the *Missouri Register* on November 17, 2008 (33 MoReg 2160). No changes have been made in the text of the proposed amendment, so it is not reprinted here. This proposed amendment becomes effective thirty (30) days after publication in the *Code of State Regulations*.

SUMMARY OF COMMENTS: No comments were received.

**Title 3—DEPARTMENT OF CONSERVATION
Division 10—Conservation Commission
Chapter 6—Wildlife Code: Sport Fishing: Seasons,
Methods, Limits**

ORDER OF RULEMAKING

By the authority vested in the Conservation Commission under sections 40 and 45 of Art. IV, Mo. Const., the commission amends a rule as follows:

3 CSR 10-6.530 Goggle-eye (Ozark Bass, Rock Bass and Shadow Bass) and Warmouth is amended.

A notice of proposed rulemaking containing the text of the proposed amendment was published in the *Missouri Register* on November 17, 2008 (33 MoReg 2160). No changes have been made in the text of the proposed amendment, so it is not reprinted here. This proposed amendment becomes effective thirty (30) days after publication in the *Code of State Regulations*.

SUMMARY OF COMMENTS: No comments were received.

**Title 3—DEPARTMENT OF CONSERVATION
Division 10—Conservation Commission
Chapter 6—Wildlife Code: Sport Fishing: Seasons,
Methods, Limits**

ORDER OF RULEMAKING

By the authority vested in the Conservation Commission under sections 40 and 45 of Art. IV, Mo. Const., the commission amends a rule as follows:

3 CSR 10-6.533 Shovelnose Sturgeon is amended.

A notice of proposed rulemaking containing the text of the proposed amendment was published in the *Missouri Register* on November 17, 2008 (33 MoReg 2160–2161). No changes have been made in the text of the proposed amendment, so it is not reprinted here. This proposed amendment becomes effective thirty (30) days after publication in the *Code of State Regulations*.

SUMMARY OF COMMENTS: No comments were received.

**Title 3—DEPARTMENT OF CONSERVATION
Division 10—Conservation Commission
Chapter 6—Wildlife Code: Sport Fishing: Seasons,
Methods, Limits**

ORDER OF RULEMAKING

By the authority vested in the Conservation Commission under sections 40 and 45 of Art. IV, Mo. Const., the commission amends a rule as follows:

3 CSR 10-6.540 Walleye and Sauger is amended.

A notice of proposed rulemaking containing the text of the proposed amendment was published in the *Missouri Register* on November 17, 2008 (33 MoReg 2161). No changes have been made in the text of the proposed amendment, so it is not reprinted here. This proposed amendment becomes effective thirty (30) days after publication in the *Code of State Regulations*.

SUMMARY OF COMMENTS: No comments were received.

**Title 3—DEPARTMENT OF CONSERVATION
Division 10—Conservation Commission
Chapter 6—Wildlife Code: Sport Fishing: Seasons,
Methods, Limits**

ORDER OF RULEMAKING

By the authority vested in the Conservation Commission under sections 40 and 45 of Art. IV, Mo. Const., the commission amends a rule as follows:

3 CSR 10-6.550 Other Fish is amended.

A notice of proposed rulemaking containing the text of the proposed amendment was published in the *Missouri Register* on November 17, 2008 (33 MoReg 2161). No changes have been made in the text of the proposed amendment, so it is not reprinted here. This proposed amendment becomes effective thirty (30) days after publication in the *Code of State Regulations*.

SUMMARY OF COMMENTS: No comments were received.

**Title 3—DEPARTMENT OF CONSERVATION
Division 10—Conservation Commission
Chapter 6—Wildlife Code: Sport Fishing: Seasons,
Methods, Limits**

ORDER OF RULEMAKING

By the authority vested in the Conservation Commission under sections 40 and 45 of Art. IV, Mo. Const., the commission amends a rule as follows:

3 CSR 10-6.615 Bullfrogs and Green Frogs is amended.

A notice of proposed rulemaking containing the text of the proposed amendment was published in the *Missouri Register* on November 17, 2008 (33 MoReg 2162). No changes have been made in the text of the proposed amendment, so it is not reprinted here. This proposed amendment becomes effective thirty (30) days after publication in the *Code of State Regulations*.

SUMMARY OF COMMENTS: No comments were received.

**Title 3—DEPARTMENT OF CONSERVATION
Division 10—Conservation Commission
Chapter 6—Wildlife Code: Sport Fishing: Seasons,
Methods, Limits**

ORDER OF RULEMAKING

By the authority vested in the Conservation Commission under sections 40 and 45 of Art. IV, Mo. Const., the commission amends a rule as follows:

3 CSR 10-6.620 Turtles is amended.

A notice of proposed rulemaking containing the text of the proposed amendment was published in the *Missouri Register* on November 17, 2008 (33 MoReg 2162). No changes have been made in the text of the proposed amendment, so it is not reprinted here. This proposed amendment becomes effective thirty (30) days after publication in the *Code of State Regulations*.

SUMMARY OF COMMENTS: No comments were received.

**Title 3—DEPARTMENT OF CONSERVATION
Division 10—Conservation Commission
Chapter 7—Wildlife Code: Hunting: Seasons,
Methods, Limits**

ORDER OF RULEMAKING

By the authority vested in the Conservation Commission under sections 40 and 45 of Art. IV, Mo. Const., the commission amends a rule as follows:

3 CSR 10-7.405 is amended.

A notice of proposed rulemaking containing the text of the proposed amendment was published in the *Missouri Register* on November 17, 2008 (33 MoReg 2162). Those sections with changes are reprinted here. This proposed amendment becomes effective thirty (30) days after publication in the *Code of State Regulations*.

SUMMARY OF COMMENTS: The commission received four hundred three (403) comments in opposition to the proposed amendment.

COMMENT: The four hundred three (403) comments opposed the elimination of no-cost landowner permits for lessees who live on at least five (5) continuous acres owned by others.

RESPONSE AND EXPLANATION OF CHANGE: The term "lessee" will not be deleted from the landowner definition in the Code.

3 CSR 10-7.405 General Provisions

(5) Wildlife, except raccoons or other furbearing animals when treed with the aid of dogs, may not be searched for, spotlighted, located, harassed, or disturbed in any manner with the aid of an artificial light, headlight, or spotlight from any roadway, whether public or private, or in any field, woodland, or forest, by any person acting either singly or as one of a group of persons. This section shall not apply to the use of a light by a landowner or lessee as defined by this Code on property under his/her control.

**Title 3—DEPARTMENT OF CONSERVATION
Division 10—Conservation Commission
Chapter 7—Wildlife Code: Hunting: Seasons,
Methods, Limits**

ORDER OF RULEMAKING

By the authority vested in the Conservation Commission under sections 40 and 45 of Art. IV, Mo. Const., the commission amends a rule as follows:

3 CSR 10-7.410 is amended.

A notice of proposed rulemaking containing the text of the proposed amendment was published in the *Missouri Register* on November 17, 2008 (33 MoReg 2162–2163). Those sections with changes are reprinted here. This proposed amendment becomes effective thirty (30) days after publication in the *Code of State Regulations*.

SUMMARY OF COMMENTS: The commission received four hundred three (403) comments in opposition to the proposed amendment.

COMMENT: The four hundred three (403) comments opposed the elimination of no-cost landowner permits for lessees who live on at least five (5) continuous acres owned by others.

RESPONSE AND EXPLANATION OF CHANGE: The term “lessee” will not be deleted from the landowner definition in the Code.

3 CSR 10-7.410 Hunting Methods

(1) Wildlife may be hunted and taken only in accordance with the following:

(H) Special Firearms Provision. During the November portion and the antlerless portion of the firearms deer season in counties open to deer hunting, other wildlife and feral hogs (any hog, including Russian and European wild boar, that is not conspicuously identified by ear tags or other forms of identification and is roaming freely upon public or private lands without the landowner’s permission) may be hunted only with a pistol, revolver, or rifle firing a rimfire cartridge .22 caliber or smaller or a shotgun and shot not larger than No. 4, except that waterfowl hunters, trappers, landowners on their land, or lessees on land upon which they reside may use other methods as specified in subsection (1)(G) of this rule.

Title 3—DEPARTMENT OF CONSERVATION Division 10—Conservation Commission Chapter 7—Wildlife Code: Hunting: Seasons, Methods, Limits

ORDER OF RULEMAKING

By the authority vested in the Conservation Commission under sections 40 and 45 of Art. IV, Mo. Const., the commission amends a rule as follows:

3 CSR 10-7.431 is amended.

A notice of proposed rulemaking containing the text of the proposed amendment was published in the *Missouri Register* on November 17, 2008 (33 MoReg 2163). Those sections with changes are reprinted here. This proposed amendment becomes effective thirty (30) days after publication in the *Code of State Regulations*.

SUMMARY OF COMMENTS: The commission received four hundred three (403) comments in opposition to the proposed amendment.

COMMENT: The four hundred three (403) comments opposed the elimination of no-cost landowner permits for lessees who live on at least five (5) continuous acres owned by others.

RESPONSE AND EXPLANATION OF CHANGE: The term “lessee” will not be deleted from the landowner definition in the Code, and age requirements for receiving no-cost small game and fishing permits will not change.

3 CSR 10-7.431 Deer Hunting Seasons: General Provisions

(3) Persons hunting or pursuing deer must possess a prescribed deer hunting permit. Resident landowners and lessees can qualify for no-cost permits.

Title 3—DEPARTMENT OF CONSERVATION Division 10—Conservation Commission Chapter 7—Wildlife Code: Hunting: Seasons, Methods, Limits

ORDER OF RULEMAKING

By the authority vested in the Conservation Commission under sections 40 and 45 of Art. IV, Mo. Const., the commission amends a rule as follows:

3 CSR 10-7.433 is amended.

A notice of proposed rulemaking containing the text of the proposed amendment was published in the *Missouri Register* on November 17, 2008 (33 MoReg 2163–2164). Those sections with changes are reprinted here. This proposed amendment becomes effective thirty (30) days after publication in the *Code of State Regulations*.

SUMMARY OF COMMENTS: The commission received four hundred three (403) comments in opposition to the proposed amendment.

COMMENT: The four hundred three (403) comments opposed the elimination of no-cost landowner permits for lessees who live on at least five (5) continuous acres owned by others.

RESPONSE AND EXPLANATION OF CHANGE: The term “lessee” will not be deleted from the landowner definition in the Code.

3 CSR 10-7.433 Deer: Firearms Hunting Seasons

(1) The firearms deer hunting season is comprised of five (5) portions.

(B) Youth portions: November 1 and 2, 2008, and January 3 and 4, 2009; for persons at least six (6) but not older than fifteen (15) years of age and qualifying landowner or lessee youth age fifteen (15) and younger; use any legal deer hunting method to take one (1) deer statewide during the November 1 and 2, 2008, portion; use any legal deer hunting method to take deer statewide during the January 3 and 4, 2009, portion.

(4) Other wildlife may be hunted during the firearms deer hunting season with the following restrictions:

(A) During the November portion statewide and the antlerless portion in open counties, other wildlife may be hunted only with pistol, revolver, or rifle firing a .22 caliber or smaller rimfire cartridge, or a shotgun and shot not larger than No. 4; except that waterfowl hunters, trappers, landowners on their land, or lessees on land upon which they reside may use other methods as specified in 3 CSR 10-7.410(1)(G).

(5) Feral hogs, defined as any hog, including Russian and European wild boar, not conspicuously identified by ear tags or other forms of identification and roaming freely on public or private lands without the landowner’s permission (refer to section 270.400 of *Missouri Revised Statutes*), may be taken in any number during the firearms deer hunting season as follows:

(D) Resident landowners and lessees on qualifying land are not required to have any permit and may use any method to take feral hogs throughout the year.

**Title 3—DEPARTMENT OF CONSERVATION
Division 10—Conservation Commission
Chapter 7—Wildlife Code: Hunting: Seasons,
Methods, Limits**

ORDER OF RULEMAKING

By the authority vested in the Conservation Commission under sections 40 and 45 of Art. IV, Mo. Const., the commission amends a rule as follows:

3 CSR 10-7.434 is amended.

A notice of proposed rulemaking containing the text of the proposed amendment was published in the *Missouri Register* on November 17, 2008 (33 MoReg 2164). Those sections with changes are reprinted here. This proposed amendment becomes effective thirty (30) days after publication in the *Code of State Regulations*.

SUMMARY OF COMMENTS: The commission received eleven thousand four hundred eighty-six (11,486) comments in opposition to the proposed amendment.

COMMENT: The commission received eleven thousand eighty-three (11,083) comments in opposition to the changes regarding landowner permits and four hundred three (403) comments in opposition to elimination of no-cost landowner permits for lessees who live on at least five (5) acres owned by others.

RESPONSE AND EXPLANATION OF CHANGE: Based on the public comments, the Conservation Commission will withdraw all changes pertaining to acreage requirements for no-cost landowner permits, and the term “lessee” will not be deleted from the landowner definition in the Code.

3 CSR 10-7.434 Deer: Landowner Privileges

(1) Resident landowners and lessees as outlined in the *Fall Deer & Turkey Hunting Regulations and Information* booklet can obtain no-cost deer hunting permits from any permit vendor.

(A) Those with five (5) or more continuous acres can each receive one (1) Resident Landowner Firearms Any-Deer Hunting Permit, one (1) Resident Landowner Archer’s Hunting Permit, and, if property is in a county in which Archery Antlerless Deer Hunting Permits can be used, two (2) Resident Landowner Archery Antlerless Deer Hunting Permits.

(B) In addition to the permits listed in subsection (1)(A), those with seventy-five (75) or more acres located in a single county or at least seventy-five (75) continuous acres bisected by a county boundary can receive a maximum of two (2) Resident Landowner Firearms Antlerless Deer Hunting Permits. Landowners with at least seventy-five (75) acres in more than one (1) county must comply with landowner antlerless deer limits for each county.

(3) All landowners and lessees who take deer on landowner permits may also purchase and fill other deer hunting permits but must abide by seasons, limits, and restrictions. A landowner or lessee may take only one (1) antlered deer during the firearms deer hunting season. A landowner or lessee may take only two (2) antlered deer during the archery deer hunting season except that only one (1) antlered deer may be taken prior to the November portion of the firearms deer hunting season.

**Title 3—DEPARTMENT OF CONSERVATION
Division 10—Conservation Commission
Chapter 7—Wildlife Code: Hunting: Seasons,
Methods, Limits**

ORDER OF RULEMAKING

By the authority vested in the Conservation Commission under sections 40 and 45 of Art. IV, Mo. Const., the commission amends a rule as follows:

3 CSR 10-7.437 is amended.

A notice of proposed rulemaking containing the text of the proposed amendment was published in the *Missouri Register* on November 17, 2008 (33 MoReg 2165). Those sections with changes are reprinted here. This proposed amendment becomes effective thirty (30) days after publication in the *Code of State Regulations*.

SUMMARY OF COMMENTS: The commission received eleven thousand four hundred eighty-six (11,486) comments in opposition to the proposed amendment.

COMMENT: The commission received eleven thousand eighty-three (11,083) comments in opposition to the changes regarding landowner permits and four hundred three (403) comments in opposition to elimination of no-cost landowner permits for lessees who live on at least five (5) acres owned by others.

RESPONSE AND EXPLANATION OF CHANGE: Based on the public comments, the Conservation Commission will withdraw all changes pertaining to acreage requirements for no-cost landowner permits, and the term “lessee” will not be deleted from the landowner definition in the Code.

3 CSR 10-7.437 Deer: Antlerless Deer Hunting Permit Availability

(2) Firearms Deer Hunting Season.

(A) Resident and Nonresident Firearms Antlerless Deer Hunting Permits are not valid in the counties of: Bollinger, Butler, Cape Girardeau, Carter, Dunklin, Iron, Madison, Mississippi, New Madrid, Pemiscot, Reynolds, Scott, Stoddard, and Wayne except that resident landowners and lessees with seventy-five (75) or more acres can each receive one (1) Resident Landowner Firearms Antlerless Deer Hunting Permit.

**Title 3—DEPARTMENT OF CONSERVATION
Division 10—Conservation Commission
Chapter 8—Wildlife Code: Trapping: Seasons, Methods**

ORDER OF RULEMAKING

By the authority vested in the Conservation Commission under sections 40 and 45 of Art. IV, Mo. Const., the commission amends a rule as follows:

3 CSR 10-8.515 Furbearers: Trapping Seasons is amended.

A notice of proposed rulemaking containing the text of the proposed amendment was published in the *Missouri Register* on November 17, 2008 (33 MoReg 2166). No changes have been made in the text of the proposed amendment, so it is not reprinted here. This proposed amendment becomes effective thirty (30) days after publication in the *Code of State Regulations*.

SUMMARY OF COMMENTS: No comments were received.

**Title 3—DEPARTMENT OF CONSERVATION
Division 10—Conservation Commission
Chapter 9—Wildlife Code: Confined Wildlife:
Privileges, Permits, Standards**

ORDER OF RULEMAKING

By the authority vested in the Conservation Commission under sections 40 and 45 of Art. IV, Mo. Const., the commission amends a rule as follows:

3 CSR 10-9.110 General Prohibition; Applications is amended.

A notice of proposed rulemaking containing the text of the proposed amendment was published in the *Missouri Register* on November 17, 2008 (33 MoReg 2166–2168). No changes have been made in the text of the proposed amendment, so it is not reprinted here. This proposed amendment becomes effective thirty (30) days after publication in the *Code of State Regulations*.

SUMMARY OF COMMENTS: No comments were received.

**Title 3—DEPARTMENT OF CONSERVATION
Division 10—Conservation Commission
Chapter 9—Wildlife Code: Confined Wildlife:
Privileges, Permits, Standards**

ORDER OF RULEMAKING

By the authority vested in the Conservation Commission under sections 40 and 45 of Art. IV, Mo. Const., the commission amends a rule as follows:

3 CSR 10-9.353 Privileges of Class I and Class II Wildlife Breeders is amended.

A notice of proposed rulemaking containing the text of the proposed amendment was published in the *Missouri Register* on November 17, 2008 (33 MoReg 2168). No changes have been made in the text of the proposed amendment, so it is not reprinted here. This proposed amendment becomes effective thirty (30) days after publication in the *Code of State Regulations*.

SUMMARY OF COMMENTS: No comments were received.

**Title 3—DEPARTMENT OF CONSERVATION
Division 10—Conservation Commission
Chapter 9—Wildlife Code: Confined Wildlife:
Privileges, Permits, Standards**

ORDER OF RULEMAKING

By the authority vested in the Conservation Commission under sections 40 and 45 of Art. IV, Mo. Const., the commission amends a rule as follows:

3 CSR 10-9.359 Class I and Class II Wildlife Breeder: Records Required is amended.

A notice of proposed rulemaking containing the text of the proposed amendment was published in the *Missouri Register* on November 17, 2008 (33 MoReg 2168). No changes have been made in the text of the proposed amendment, so it is not reprinted here. This proposed amendment becomes effective thirty (30) days after publication in the *Code of State Regulations*.

SUMMARY OF COMMENTS: No comments were received.

**Title 3—DEPARTMENT OF CONSERVATION
Division 10—Conservation Commission
Chapter 9—Wildlife Code: Confined Wildlife:
Privileges, Permits, Standards**

ORDER OF RULEMAKING

By the authority vested in the Conservation Commission under sections 40 and 45 of Art. IV, Mo. Const., the commission amends a rule as follows:

3 CSR 10-9.415 Wildlife Rehabilitation Permit is amended.

A notice of proposed rulemaking containing the text of the proposed amendment was published in the *Missouri Register* on November 17, 2008 (33 MoReg 2168–2169). No changes have been made in the text of the proposed amendment, so it is not reprinted here. This proposed amendment becomes effective thirty (30) days after publication in the *Code of State Regulations*.

SUMMARY OF COMMENTS: No comments were received.

**Title 3—DEPARTMENT OF CONSERVATION
Division 10—Conservation Commission
Chapter 9—Wildlife Code: Confined Wildlife:
Privileges, Permits, Standards**

ORDER OF RULEMAKING

By the authority vested in the Conservation Commission under sections 40 and 45 of Art. IV, Mo. Const., the commission amends a rule as follows:

3 CSR 10-9.425 Wildlife Collector's Permit is amended.

A notice of proposed rulemaking containing the text of the proposed amendment was published in the *Missouri Register* on November 17, 2008 (33 MoReg 2169). No changes have been made in the text of the proposed amendment, so it is not reprinted here. This proposed amendment becomes effective thirty (30) days after publication in the *Code of State Regulations*.

SUMMARY OF COMMENTS: No comments were received.

**Title 3—DEPARTMENT OF CONSERVATION
Division 10—Conservation Commission
Chapter 9—Wildlife Code: Confined Wildlife:
Privileges, Permits, Standards**

ORDER OF RULEMAKING

By the authority vested in the Conservation Commission under sections 40 and 45 of Art. IV, Mo. Const., the commission amends a rule as follows:

3 CSR 10-9.565 Licensed Hunting Preserve: Privileges is amended.

A notice of proposed rulemaking containing the text of the proposed amendment was published in the *Missouri Register* on November 17, 2008 (33 MoReg 2169–2170). No changes have been made in the text of the proposed amendment, so it is not reprinted here. This proposed amendment becomes effective thirty (30) days after publication in the *Code of State Regulations*.

SUMMARY OF COMMENTS: No comments were received.

**Title 3—DEPARTMENT OF CONSERVATION
Division 10—Conservation Commission
Chapter 9—Wildlife Code: Confined Wildlife:
Privileges, Permits, Standards**

ORDER OF RULEMAKING

By the authority vested in the Conservation Commission under sections 40 and 45 of Art. IV, Mo. Const., the commission amends a rule as follows:

3 CSR 10-9.566 Licensed Hunting Preserve: Records Required
is amended.

A notice of proposed rulemaking containing the text of the proposed amendment was published in the *Missouri Register* on November 17, 2008 (33 MoReg 2170). No changes have been made in the text of the proposed amendment, so it is not reprinted here. This proposed amendment becomes effective thirty (30) days after publication in the *Code of State Regulations*.

SUMMARY OF COMMENTS: No comments were received.

**Title 3—DEPARTMENT OF CONSERVATION
Division 10—Conservation Commission
Chapter 9—Wildlife Code: Confined Wildlife:
Privileges, Permits, Standards**

ORDER OF RULEMAKING

By the authority vested in the Conservation Commission under sections 40 and 45 of Art. IV, Mo. Const., the commission amends a rule as follows:

3 CSR 10-9.575 Hound Running Area: Privileges, Requirements
is amended.

A notice of proposed rulemaking containing the text of the proposed amendment was published in the *Missouri Register* on November 17, 2008 (33 MoReg 2170–2171). No changes have been made in the text of the proposed amendment, so it is not reprinted here. This proposed amendment becomes effective thirty (30) days after publication in the *Code of State Regulations*.

SUMMARY OF COMMENTS: No comments were received.

**Title 3—DEPARTMENT OF CONSERVATION
Division 10—Conservation Commission
Chapter 9—Wildlife Code: Confined Wildlife:
Privileges, Permits, Standards**

ORDER OF RULEMAKING

By the authority vested in the Conservation Commission under sections 40 and 45 of Art. IV, Mo. Const., the commission amends a rule as follows:

3 CSR 10-9.628 Dog Training Area: Privileges is amended.

A notice of proposed rulemaking containing the text of the proposed amendment was published in the *Missouri Register* on November 17, 2008 (33 MoReg 2171). No changes have been made in the text of the proposed amendment, so it is not reprinted here. This proposed amendment becomes effective thirty (30) days after publication in the *Code of State Regulations*.

SUMMARY OF COMMENTS: No comments were received.

**Title 3—DEPARTMENT OF CONSERVATION
Division 10—Conservation Commission
Chapter 10—Wildlife Code: Commercial Permits:
Seasons, Methods, Limits**

ORDER OF RULEMAKING

By the authority vested in the Conservation Commission under sections 40 and 45 of Art. IV, Mo. Const., the commission withdraws a proposed amendment as follows:

3 CSR 10-10.711 Resident Fur Handlers Permit is withdrawn.

A notice of proposed rulemaking containing the text of the proposed amendment was published in the *Missouri Register* on November 17, 2008 (33 MoReg 2171–2172). This proposed amendment is withdrawn.

SUMMARY OF COMMENTS: The Conservation Commission received five thousand eight hundred forty-five (5,845) comments in opposition to the proposed amendment.

COMMENTS: Those individuals commenting objected to increases in permit prices for Missouri residents given the current economic downturn.

RESPONSE: The Conservation Commission reviewed the comments received during the public comment period and, as a result, is withdrawing the proposed amendment.

**Title 3—DEPARTMENT OF CONSERVATION
Division 10—Conservation Commission
Chapter 10—Wildlife Code: Commercial Permits:
Seasons, Methods, Limits**

ORDER OF RULEMAKING

By the authority vested in the Conservation Commission under sections 40 and 45 of Art. IV, Mo. Const., the commission amends a rule as follows:

3 CSR 10-10.715 Resident and Nonresident Fur Dealers: Reports,
Requirements is amended.

A notice of proposed rulemaking containing the text of the proposed amendment was published in the *Missouri Register* on November 17, 2008 (33 MoReg 2173). No changes have been made in the text of the proposed amendment, so it is not reprinted here. This proposed amendment becomes effective thirty (30) days after publication in the *Code of State Regulations*.

SUMMARY OF COMMENTS: No comments were received.

**Title 3—DEPARTMENT OF CONSERVATION
Division 10—Conservation Commission
Chapter 10—Wildlife Code: Commercial Permits:
Seasons, Methods, Limits**

ORDER OF RULEMAKING

By the authority vested in the Conservation Commission under sections 40 and 45 of Art. IV, Mo. Const., the commission amends a rule as follows:

3 CSR 10-10.716 Resident Fur Handlers: Reports, Requirements
is amended.

A notice of proposed rulemaking containing the text of the proposed amendment was published in the *Missouri Register* on November 17, 2008 (33 MoReg 2173). No changes have been made in the text of the proposed amendment, so it is not reprinted here. This proposed amendment becomes effective thirty (30) days after publication in the *Code of State Regulations*.

SUMMARY OF COMMENTS: No comments were received.

**Title 3—DEPARTMENT OF CONSERVATION
Division 10—Conservation Commission
Chapter 10—Wildlife Code: Commercial Permits:
Seasons, Methods, Limits**

ORDER OF RULEMAKING

By the authority vested in the Conservation Commission under sections 40 and 45 of Art. IV, Mo. Const., the commission amends a rule as follows:

3 CSR 10-10.735 Sale of Live Bait is amended.

A notice of proposed rulemaking containing the text of the proposed amendment was published in the *Missouri Register* on November 17, 2008 (33 MoReg 2179). No changes have been made in the text of the proposed amendment, so it is not reprinted here. This proposed amendment becomes effective thirty (30) days after publication in the *Code of State Regulations*.

SUMMARY OF COMMENTS: No comments were received.

**Title 3—DEPARTMENT OF CONSERVATION
Division 10—Conservation Commission
Chapter 10—Wildlife Code: Commercial Permits:
Seasons, Methods, Limits**

ORDER OF RULEMAKING

By the authority vested in the Conservation Commission under sections 40 and 45 of Art. IV, Mo. Const., the commission amends a rule as follows:

**3 CSR 10-10.767 Taxidermy; Tanning: Permit, Privileges,
Requirements is amended.**

A notice of proposed rulemaking containing the text of the proposed amendment was published in the *Missouri Register* on November 17, 2008 (33 MoReg 2179). No changes have been made in the text of the proposed amendment, so it is not reprinted here. This proposed amendment becomes effective thirty (30) days after publication in the *Code of State Regulations*.

SUMMARY OF COMMENTS: No comments were received.

**Title 3—DEPARTMENT OF CONSERVATION
Division 10—Conservation Commission
Chapter 10—Wildlife Code: Commercial Permits:
Seasons, Methods, Limits**

ORDER OF RULEMAKING

By the authority vested in the Conservation Commission under sections 40 and 45 of Art. IV, Mo. Const., the commission amends a rule as follows:

**3 CSR 10-10.784 Mussel Dealers: Reports, Requirements
is amended.**

A notice of proposed rulemaking containing the text of the proposed amendment was published in the *Missouri Register* on November 17, 2008 (33 MoReg 2179). No changes have been made in the text of the proposed amendment, so it is not reprinted here. This proposed amendment becomes effective thirty (30) days after publication in the *Code of State Regulations*.

SUMMARY OF COMMENTS: No comments were received.

**Title 3—DEPARTMENT OF CONSERVATION
Division 10—Conservation Commission
Chapter 10—Wildlife Code: Commercial Permits:
Seasons, Methods, Limits**

ORDER OF RULEMAKING

By the authority vested in the Conservation Commission under sections 40 and 45 of Art. IV, Mo. Const., the commission amends a rule as follows:

**3 CSR 10-10.787 Reports Required: Commercial Musselers
is amended.**

A notice of proposed rulemaking containing the text of the proposed amendment was published in the *Missouri Register* on November 17, 2008 (33 MoReg 2179–2180). No changes have been made in the text of the proposed amendment, so it is not reprinted here. This proposed amendment becomes effective thirty (30) days after publication in the *Code of State Regulations*.

SUMMARY OF COMMENTS: No comments were received.

**Title 3—DEPARTMENT OF CONSERVATION
Division 10—Conservation Commission
Chapter 11—Wildlife Code: Special Regulations for
Department Areas**

ORDER OF RULEMAKING

By the authority vested in the Conservation Commission under sections 40 and 45 of Art. IV, Mo. Const., the commission amends a rule as follows:

3 CSR 10-11.110 General Provisions is amended.

A notice of proposed rulemaking containing the text of the proposed amendment was published in the *Missouri Register* on November 17, 2008 (33 MoReg 2180). No changes have been made in the text of the proposed amendment, so it is not reprinted here. This proposed amendment becomes effective thirty (30) days after publication in the *Code of State Regulations*.

SUMMARY OF COMMENTS: No comments were received.

**Title 3—DEPARTMENT OF CONSERVATION
Division 10—Conservation Commission
Chapter 11—Wildlife Code: Special Regulations for
Department Areas**

ORDER OF RULEMAKING

By the authority vested in the Conservation Commission under sections 40 and 45 of Art. IV, Mo. Const., the commission amends a rule as follows:

3 CSR 10-11.115 Closings is amended.

A notice of proposed rulemaking containing the text of the proposed amendment was published in the *Missouri Register* on November 17, 2008 (33 MoReg 2180–2181). No changes have been made in the text of the proposed amendment, so it is not reprinted here. This proposed amendment becomes effective thirty (30) days after publication in the *Code of State Regulations*.

SUMMARY OF COMMENTS: No comments were received.

**Title 3—DEPARTMENT OF CONSERVATION
Division 10—Conservation Commission
Chapter 11—Wildlife Code: Special Regulations for
Department Areas**

ORDER OF RULEMAKING

By the authority vested in the Conservation Commission under sections 40 and 45 of Art. IV, Mo. Const., the commission amends a rule as follows:

3 CSR 10-11.140 Camping is amended.

A notice of proposed rulemaking containing the text of the proposed amendment was published in the *Missouri Register* on November 17, 2008 (33 MoReg 2181). No changes have been made in the text of the proposed amendment, so it is not reprinted here. This proposed amendment becomes effective thirty (30) days after publication in the *Code of State Regulations*.

SUMMARY OF COMMENTS: No comments were received.

**Title 3—DEPARTMENT OF CONSERVATION
Division 10—Conservation Commission
Chapter 11—Wildlife Code: Special Regulations for
Department Areas**

ORDER OF RULEMAKING

By the authority vested in the Conservation Commission under sections 40 and 45 of Art. IV, Mo. Const., the commission amends a rule as follows:

**3 CSR 10-11.150 Target Shooting and Shooting Ranges
is amended.**

A notice of proposed rulemaking containing the text of the proposed amendment was published in the *Missouri Register* on November 17, 2008 (33 MoReg 2181-2182). No changes have been made in the text of the proposed amendment, so it is not reprinted here. This proposed amendment becomes effective thirty (30) days after publication in the *Code of State Regulations*.

SUMMARY OF COMMENTS: No comments were received.

**Title 3—DEPARTMENT OF CONSERVATION
Division 10—Conservation Commission
Chapter 11—Wildlife Code: Special Regulations for
Department Areas**

ORDER OF RULEMAKING

By the authority vested in the Conservation Commission under sections 40 and 45 of Art. IV, Mo. Const., the commission amends a rule as follows:

3 CSR 10-11.160 Use of Boats and Motors is amended.

A notice of proposed rulemaking containing the text of the proposed amendment was published in the *Missouri Register* on November 17, 2008 (33 MoReg 2182). No changes have been made in the text of the proposed amendment, so it is not reprinted here. This proposed

amendment becomes effective thirty (30) days after publication in the *Code of State Regulations*.

SUMMARY OF COMMENTS: No comments were received.

**Title 3—DEPARTMENT OF CONSERVATION
Division 10—Conservation Commission
Chapter 11—Wildlife Code: Special Regulations for
Department Areas**

ORDER OF RULEMAKING

By the authority vested in the Conservation Commission under sections 40 and 45 of Art. IV, Mo. Const., the commission amends a rule as follows:

3 CSR 10-11.165 Bullfrogs and Green Frogs is amended.

A notice of proposed rulemaking containing the text of the proposed amendment was published in the *Missouri Register* on November 17, 2008 (33 MoReg 2182). No changes have been made in the text of the proposed amendment, so it is not reprinted here. This proposed amendment becomes effective thirty (30) days after publication in the *Code of State Regulations*.

SUMMARY OF COMMENTS: No comments were received.

**Title 3—DEPARTMENT OF CONSERVATION
Division 10—Conservation Commission
Chapter 11—Wildlife Code: Special Regulations for
Department Areas**

ORDER OF RULEMAKING

By the authority vested in the Conservation Commission under sections 40 and 45 of Art. IV, Mo. Const., the commission amends a rule as follows:

**3 CSR 10-11.180 Hunting, General Provisions and Seasons
is amended.**

A notice of proposed rulemaking containing the text of the proposed amendment was published in the *Missouri Register* on November 17, 2008 (33 MoReg 2182-2184). No changes have been made in the text of the proposed amendment, so it is not reprinted here. This proposed amendment becomes effective thirty (30) days after publication in the *Code of State Regulations*.

SUMMARY OF COMMENTS: No comments were received.

**Title 3—DEPARTMENT OF CONSERVATION
Division 10—Conservation Commission
Chapter 11—Wildlife Code: Special Regulations for
Department Areas**

ORDER OF RULEMAKING

By the authority vested in the Conservation Commission under sections 40 and 45 of Art. IV, Mo. Const., the commission adopts a rule as follows:

3 CSR 10-11.184 Quail Hunting is adopted.

A notice of proposed rulemaking containing the text of the proposed rule was published in the *Missouri Register* on November 17, 2008 (33 MoReg 2185). No changes have been made in the text of the proposed rule, so it is not reprinted here. This proposed rule becomes effective thirty (30) days after publication in the *Code of State Regulations*.

SUMMARY OF COMMENTS: No comments were received.

**Title 3—DEPARTMENT OF CONSERVATION
Division 10—Conservation Commission
Chapter 11—Wildlife Code: Special Regulations for
Department Areas**

ORDER OF RULEMAKING

By the authority vested in the Conservation Commission under sections 40 and 45 of Art. IV, Mo. Const., the commission amends a rule as follows:

3 CSR 10-11.205 Fishing, Methods and Hours is amended.

A notice of proposed rulemaking containing the text of the proposed amendment was published in the *Missouri Register* on November 17, 2008 (33 MoReg 2185–2186). No changes have been made in the text of the proposed amendment, so it is not reprinted here. This proposed amendment becomes effective thirty (30) days after publication in the *Code of State Regulations*.

SUMMARY OF COMMENTS: No comments were received.

**Title 3—DEPARTMENT OF CONSERVATION
Division 10—Conservation Commission
Chapter 11—Wildlife Code: Special Regulations for
Department Areas**

ORDER OF RULEMAKING

By the authority vested in the Conservation Commission under sections 40 and 45 of Art. IV, Mo. Const., the commission amends a rule as follows:

**3 CSR 10-11.210 Fishing, Daily and Possession Limits
is amended.**

A notice of proposed rulemaking containing the text of the proposed amendment was published in the *Missouri Register* on November 17, 2008 (33 MoReg 2186). No changes have been made in the text of the proposed amendment, so it is not reprinted here. This proposed amendment becomes effective thirty (30) days after publication in the *Code of State Regulations*.

SUMMARY OF COMMENTS: No comments were received.

**Title 3—DEPARTMENT OF CONSERVATION
Division 10—Conservation Commission
Chapter 11—Wildlife Code: Special Regulations for
Department Areas**

ORDER OF RULEMAKING

By the authority vested in the Conservation Commission under sections 40 and 45 of Art. IV, Mo. Const., the commission amends a rule as follows:

3 CSR 10-11.215 Fishing, Length Limits is amended.

A notice of proposed rulemaking containing the text of the proposed amendment was published in the *Missouri Register* on November 17, 2008 (33 MoReg 2186–2187). No changes have been made in the text of the proposed amendment, so it is not reprinted here. This proposed amendment becomes effective thirty (30) days after publication in the *Code of State Regulations*.

SUMMARY OF COMMENTS: No comments were received.

**Title 3—DEPARTMENT OF CONSERVATION
Division 10—Conservation Commission
Chapter 12—Wildlife Code: Special Regulations for
Areas Owned by Other Entities**

ORDER OF RULEMAKING

By the authority vested in the Conservation Commission under sections 40 and 45 of Art. IV, Mo. Const., the commission amends a rule as follows:

3 CSR 10-12.110 Use of Boats and Motors is amended.

A notice of proposed rulemaking containing the text of the proposed amendment was published in the *Missouri Register* on November 17, 2008 (33 MoReg 2187). No changes have been made in the text of the proposed amendment, so it is not reprinted here. This proposed amendment becomes effective thirty (30) days after publication in the *Code of State Regulations*.

SUMMARY OF COMMENTS: No comments were received.

**Title 3—DEPARTMENT OF CONSERVATION
Division 10—Conservation Commission
Chapter 12—Wildlife Code: Special Regulations for
Areas Owned by Other Entities**

ORDER OF RULEMAKING

By the authority vested in the Conservation Commission under sections 40 and 45 of Art. IV, Mo. Const., the commission amends a rule as follows:

3 CSR 10-12.115 Bullfrogs and Green Frogs is amended.

A notice of proposed rulemaking containing the text of the proposed amendment was published in the *Missouri Register* on November 17, 2008 (33 MoReg 2187–2188). No changes have been made in the text of the proposed amendment, so it is not reprinted here. This proposed amendment becomes effective thirty (30) days after publication in the *Code of State Regulations*.

SUMMARY OF COMMENTS: No comments were received.

**Title 3—DEPARTMENT OF CONSERVATION
Division 10—Conservation Commission
Chapter 12—Wildlife Code: Special Regulations for
Areas Owned by Other Entities**

ORDER OF RULEMAKING

By the authority vested in the Conservation Commission under sections 40 and 45 of Art. IV, Mo. Const., the commission amends a rule as follows:

3 CSR 10-12.125 Hunting and Trapping is amended.

A notice of proposed rulemaking containing the text of the proposed amendment was published in the *Missouri Register* on November 17, 2008 (33 MoReg 2188–2189). No changes have been made in the text of the proposed amendment, so it is not reprinted here. This proposed amendment becomes effective thirty (30) days after publication in the *Code of State Regulations*.

SUMMARY OF COMMENTS: No comments were received.

**Title 3—DEPARTMENT OF CONSERVATION
Division 10—Conservation Commission
Chapter 12—Wildlife Code: Special Regulations for
Areas Owned by Other Entities**

ORDER OF RULEMAKING

By the authority vested in the Conservation Commission under sections 40 and 45 of Art. IV, Mo. Const., the commission amends a rule as follows:

3 CSR 10-12.135 Fishing, Methods is amended.

A notice of proposed rulemaking containing the text of the proposed amendment was published in the *Missouri Register* on November 17, 2008 (33 MoReg 2189). No changes have been made in the text of the proposed amendment, so it is not reprinted here. This proposed amendment becomes effective thirty (30) days after publication in the *Code of State Regulations*.

SUMMARY OF COMMENTS: No comments were received.

**Title 3—DEPARTMENT OF CONSERVATION
Division 10—Conservation Commission
Chapter 12—Wildlife Code: Special Regulations for
Areas Owned by Other Entities**

ORDER OF RULEMAKING

By the authority vested in the Conservation Commission under sections 40 and 45 of Art. IV, Mo. Const., the commission amends a rule as follows:

**3 CSR 10-12.140 Fishing, Daily and Possession Limits
is amended.**

A notice of proposed rulemaking containing the text of the proposed amendment was published in the *Missouri Register* on November 17, 2008 (33 MoReg 2189–2190). No changes have been made in the text of the proposed amendment, so it is not reprinted here. This proposed amendment becomes effective thirty (30) days after publication in the *Code of State Regulations*.

SUMMARY OF COMMENTS: No comments were received.

**Title 3—DEPARTMENT OF CONSERVATION
Division 10—Conservation Commission
Chapter 12—Wildlife Code: Special Regulations for
Areas Owned by Other Entities**

ORDER OF RULEMAKING

By the authority vested in the Conservation Commission under sections 40 and 45 of Art. IV, Mo. Const., the commission amends a rule as follows:

3 CSR 10-12.145 Fishing, Length Limits is amended.

A notice of proposed rulemaking containing the text of the proposed amendment was published in the *Missouri Register* on November 17, 2008 (33 MoReg 2190–2191). No changes have been made in the text of the proposed amendment, so it is not reprinted here. This proposed amendment becomes effective thirty (30) days after publication in the *Code of State Regulations*.

SUMMARY OF COMMENTS: No comments were received.

**Title 9—DEPARTMENT OF MENTAL HEALTH
Division 30—Certification Standards
Chapter 4—Mental Health Programs**

ORDER OF RULEMAKING

By the authority vested in the director of the Department of Mental Health under section 630.050, RSMo Supp. 2008 and sections 630.655 and 632.050, RSMo 2000, the director adopts a rule as follows:

9 CSR 30-4.0431 is adopted.

A notice of proposed rulemaking containing the text of the proposed rule was published in the *Missouri Register* on October 1, 2008 (33 MoReg 1804–1805). Those sections with changes are reprinted here. This proposed rule becomes effective thirty (30) days after publication in the *Code of State Regulations*.

SUMMARY OF COMMENTS: The department received eight (8) comments on the proposed rule.

COMMENT #1: One (1) comment stated that paragraph (5)(E)1. should be revised to include subparagraphs (5)(E)1.A. and (5)(E)1.B. instead of only referencing 9 CSR 10-7.140(2)(RR).

RESPONSE AND EXPLANATION OF CHANGE: The department agrees with this comment and has revised the rule for clarification. The department also made this change in paragraphs (5)(A)5. and (5)(E)2. for consistency. The revision matches the language found in 9 CSR 10-7.140(2)(RR).

COMMENT #2: A comment was made on paragraph (5)(A)2. suggesting that additional services be added to the service menu to compensate for the additional cost of using a registered nurse. The commenter requested that we include a licensed practical nurse as a qualified staff person.

RESPONSE: The department disagrees with this comment and has not revised the rule as requested because a registered nurse is needed to provide the comprehensive services required for this treatment service.

COMMENT #3: Two (2) comments were made on paragraph (5)(A)4. asking if the stated staff need to be solely dedicated to the Integrated Dual Disorders Treatment (IDDT) team or can they serve individuals in other functions with the agency. The commenter also asked if the team must demonstrate that consumers are linked to housing and employment services with other agencies without actually providing staff dedicated to provide these services.

RESPONSE AND EXPLANATION OF CHANGE: The department agrees with this comment and has revised the rule accordingly. The stated staff must, however, retain responsibility for acquisition of appropriate housing and employment services.

COMMENT #4: In paragraph (5)(E)3., one (1) commenter stated that it appears that this is requiring an additional credential in addition to the requirements already needed to be considered a qualified mental health professional or a qualified substance abuse professional, and, because this is a new credential, will there be a timeframe established that allows time to obtain this credential upon hire, yet still provide services in the interim while working towards the credential.

RESPONSE: The department disagrees with this comment and has not revised the rule. There will not be an interim timeframe for staff to provide services while working towards credentialing because this treatment methodology requires well-trained staff.

COMMENT #5: Three (3) comments were received regarding the use of the term “highly specialized program” in section (1).

RESPONSE AND EXPLANATION OF CHANGE: The department agrees with these comments and has revised the rule accordingly by removing the words “a highly specialized program.”

9 CSR 30-4.0431 Integrated Dual Disorders Treatment Programs

(1) Integrated Dual Disorders Treatment (IDDT) is integrating substance abuse treatment with community psychiatric rehabilitation treatment for individuals with co-occurring psychiatric and substance use disorders. IDDT is a practice based on evidence and research for individuals with serious mental illness and substance use disorders.

(5) Personnel and Staff Development. IDDT shall be delivered by a multidisciplinary team responsible for coordinating a comprehensive array of services available to the individual through CPR with the amount of frequency of service commensurate with the individual's assessed need.

(A) The multidisciplinary team shall include, but is not limited to, the following individuals:

1. A physician or an advanced practice nurse;
2. A registered professional nurse;
3. A qualified mental health professional as defined in 9 CSR 30-4.030(2)(HH);
4. Additional staff sufficient to provide community support, and retain the responsibility for acquisition of appropriate housing and employment services;
5. A qualified substance abuse professional defined as a person who demonstrates substantial knowledge and skill regarding substance abuse by being one (1) of the following:

A. A physician or qualified mental health professional who is licensed in Missouri with at least one (1) year of full-time experience in the treatment of persons with substance use disorders; or

B. A person who is certified or registered as a substance abuse professional by the Missouri Substance Abuse Counselor's Certification Board, Incorporated.

(E) Only qualified staff shall provide IDDT treatment services. Qualified staff for each service shall include:

1. For individual counseling, group counseling, and assessment, a qualified mental health professional as defined in 9 CSR 30-4.030(2)(HH) or a qualified substance abuse professional defined as a person who demonstrates substantial knowledge and skill regarding substance abuse by being one (1) of the following:

A. A physician or qualified mental health professional who is licensed in Missouri with at least one (1) year of full-time experience in the treatment of persons with substance use disorders; or

B. A person who is certified or registered as a substance abuse professional by the Missouri Substance Abuse Counselor's Certification Board, Incorporated.

2. For group education, eligible providers shall have documented education and experience related to the topic presented and either be, or be supervised by, a qualified mental health professional or a qualified substance abuse professional who meets co-occurring counselor competency requirements established by the department; and

3. Qualified mental health professionals and qualified substance abuse professionals shall meet the co-occurring counselor competency requirements as approved by the department.

Title 12—DEPARTMENT OF REVENUE Division 10—Director of Revenue Chapter 7—Special Motor Fuel Use Tax

ORDER OF RULEMAKING

By the authority vested in the director of revenue under section 144.270, RSMo Supp. 2008, the director rescinds a rule as follows:

12 CSR 10-7.170 Sales Tax Applies When Fuel Tax Does Not is rescinded.

A notice of proposed rulemaking containing the proposed rescission was published in the *Missouri Register* on November 3, 2008 (33 MoReg 2018). No changes have been made in the proposed rescission, so it is not reprinted here. This proposed rescission becomes effective thirty (30) days after publication in the *Code of State Regulations*.

SUMMARY OF COMMENTS: No comments were received.

Title 12—DEPARTMENT OF REVENUE Division 10—Director of Revenue Chapter 7—Special Motor Fuel Use Tax

ORDER OF RULEMAKING

By the authority vested in the director of revenue under section 142.953, RSMo 2000, the director rescinds a rule as follows:

12 CSR 10-7.250 Special Fuel Tax Refund Claims—Purchasers Claiming Refunds of Tax Paid on Fuel Used for Nonhighway Purposes is rescinded.

A notice of proposed rulemaking containing the proposed rescission was published in the *Missouri Register* on November 3, 2008 (33 MoReg 2018–2019). No changes have been made in the proposed rescission, so it is not reprinted here. This proposed rescission becomes effective thirty (30) days after publication in the *Code of State Regulations*.

SUMMARY OF COMMENTS: No comments were received.

Title 12—DEPARTMENT OF REVENUE Division 10—Director of Revenue Chapter 7—Special Motor Fuel Use Tax

ORDER OF RULEMAKING

By the authority vested in the director of revenue under section 142.953, RSMo 2000, the director rescinds a rule as follows:

12 CSR 10-7.260 LP Gas or Natural Gas Decals is rescinded.

A notice of proposed rulemaking containing the proposed rescission was published in the *Missouri Register* on November 3, 2008 (33 MoReg 2019). No changes have been made in the proposed rescission, so it is not reprinted here. This proposed rescission becomes effective thirty (30) days after publication in the *Code of State Regulations*.

SUMMARY OF COMMENTS: No comments were received.

**Title 12—DEPARTMENT OF REVENUE
Division 10—Director of Revenue
Chapter 23—Motor Vehicle**

ORDER OF RULEMAKING

By the authority vested in the director of revenue under sections 301.144 and 301.451, RSMo Supp. 2008 and section 301.449, RSMo 2000, the director amends a rule as follows:

12 CSR 10-23.100 Special License Plates is amended.

A notice of proposed rulemaking containing the text of the proposed amendment was published in the *Missouri Register* on November 17, 2008 (33 MoReg 2232–2235). No changes have been made in the text of the proposed amendment, so it is not reprinted here. This proposed amendment becomes effective thirty (30) days after publication in the *Code of State Regulations*.

SUMMARY OF COMMENTS: No comments were received.

**Title 12—DEPARTMENT OF REVENUE
Division 10—Director of Revenue
Chapter 43—Investment of Nonstate Funds**

ORDER OF RULEMAKING

By the authority vested in the director of revenue under section 136.120, RSMo 2000, the director amends a rule as follows:

**12 CSR 10-43.030 Collateral Requirements for Nonstate Funds
is amended.**

A notice of proposed rulemaking containing the text of the proposed amendment was published in the *Missouri Register* on November 3, 2008 (33 MoReg 2019–2020). No changes have been made in the text of the proposed amendment, so it is not reprinted here. This proposed amendment becomes effective thirty (30) days after publication in the *Code of State Regulations*.

SUMMARY OF COMMENTS: No comments were received.

**Title 12—DEPARTMENT OF REVENUE
Division 10—Director of Revenue
Chapter 103—Sales/Use Tax—Imposition of Tax**

ORDER OF RULEMAKING

By the authority vested in the director of revenue under section 144.270, RSMo Supp. 2008, the director rescinds a rule as follows:

**12 CSR 10-103.380 Photographers, Photofinishers and
Photoengravers, as Defined in Section 144.030, RSMo
is rescinded.**

A notice of proposed rulemaking containing the proposed rescission was published in the *Missouri Register* on November 3, 2008 (33 MoReg 2020–2021). No changes have been made in the proposed rescission, so it is not reprinted here. This proposed rescission becomes effective thirty (30) days after publication in the *Code of State Regulations*.

SUMMARY OF COMMENTS: No comments were received.

The Secretary of State is required by sections 347.141 and 359.481, RSMo 2000 to publish dissolutions of limited liability companies and limited partnerships. The content requirements for the one-time publishing of these notices are prescribed by statute. This listing is published pursuant to these statutes. We request that documents submitted for publication in this section be submitted in camera ready 8 1/2" x 11" manuscript by email to dissolutions@sos.mo.gov.

**NOTICE OF DISSOLUTION AND WINDING UP OF LIMITED LIABILITY COMPANY
TO ALL CREDITORS AND CLAIMANTS AGAINST
ROY COX PLUMBING, LLC**

On January 15, 2009, Roy Cox Plumbing, LLC, a Missouri limited liability company (the "Company") agreed to dissolve and wind up the Company by filing a notice of winding up with the Secretary of State of State of Missouri.

The Company requests that all persons and organizations who have claims against it present those claims immediately by letter to Micah H. Huff at Oelbaum & Brown, LLC 220 W. Lockwood Ave #203, St. Louis, Missouri 63119. In order to file a claim with the Company, you must furnish the amount and the basis for the claim and provide all necessary documentation supporting this claim.

A claim against Roy Cox Plumbing, LLC will be barred unless a proceeding to enforce the claim is commenced within three years after the publication of this notice.

**NOTICE OF CORPORATE DISSOLUTION
TO ALL CREDITORS OF AND CLAIMANTS AGAINST
EFI-WRIGHT SALES, INC.**

On September 9, 2008, EFI-Wright Sales, Inc., a Missouri corporation, filed its Articles of Dissolution with the Missouri Secretary of State. The dissolution of the corporation was effective on, October 17, 2008.

All claims must include: the name, address and telephone number of the claimant; the amount claimed; the basis of the claim; the date(s) on which the events occurred which provided the basis for the claim; and copies of any other supporting data. Claims should be in writing and mailed to the corporation at c/o Gilmore & Bell, P.C., 2405 Grand Boulevard, Suite 1100, Kansas City, Missouri 64108.

Any claim against EFI-Wright Sales, Inc. will be barred unless a proceeding to enforce the claim is commenced within two years after the publication of this notice.

**NOTICE OF DISSOLUTION OF LIMITED LIABILITY COMPANY
TO ALL CREDITORS OF AND CLAIMANTS AGAINST
H & E ENTERPRISES, LLC**

On January 22, 2009, H & E Enterprises, LLC, a Missouri limited liability company (hereinafter the "Company"), filed its Notice of Winding Up for a Limited Liability Company with the Missouri Secretary of State.

Any claims against the Company may be sent to H & E Enterprises, LLC, ATTN: Howard Turner, 205 E. 5th St., Cassville, MO 65625. Each claim must include the following information: the name, address, and phone number of the claimant; the amount claimed; the date on which the claim arose; the basis for the claim; and documentation for the claim.

All claims against the Company will be barred unless a proceeding to enforce the claim is commenced within three years after publication.

**NOTICE TO THE UNKNOWN CREDITORS
OF
MEDICAL IMAGING OF WEST COUNTY, LLC**

You are hereby notified that on January 15, 2009, Medical Imaging of West County, LLC, a Missouri limited liability company (the "Company"), the principal office of which is located in St. Louis County, Missouri, filed a Notice of Winding Up with the Secretary of State of Missouri.

In order to file a claim with the Company, you must furnish the amount and the basis for the claim and provide all necessary documentation supporting this claim. All claims must be mailed to:

Medical Imaging of West County, LLC
In care of Capes, Sokol, Goodman & Sarachan, PC
7701 Forsyth Boulevard, Twelfth Floor
St. Louis, MO 63105
Attention: Jeffrey A. Cohen, Esq.

A claim against Medical Imaging of West County, LLC will be barred unless a proceeding to enforce the claim is commenced within three years after the publication of this notice.

Rule Changes Since Update to Code of State Regulations

This cumulative table gives you the latest status of rules. It contains citations of rulemakings adopted or proposed after deadline for the monthly Update Service to the *Code of State Regulations*, citations are to volume and page number in the *Missouri Register*, except for material in this issue. The first number in the table cite refers to the volume number or the publication year—30 (2005) and 31 (2006). MoReg refers to *Missouri Register* and the numbers refer to a specific *Register* page, R indicates a rescission, W indicates a withdrawal, S indicates a statement of actual cost, T indicates an order terminating a rule, N.A. indicates not applicable, RAN indicates a rule action notice, RUC indicates a rule under consideration, and F indicates future effective date.

Rule Number	Agency	Emergency	Proposed	Order	In Addition
1 CSR 10	OFFICE OF ADMINISTRATION				
1 CSR 20-3.070	State Officials' Salary Compensation Schedule				30 MoReg 2435
1 CSR 20-4.010	Personnel Advisory Board and Division of Personnel		33 MoReg 1703	34 MoReg 129	
	Personnel Advisory Board and Division of Personnel		33 MoReg 1704	34 MoReg 129	
	DEPARTMENT OF AGRICULTURE				
2 CSR 30-11.010	Animal Health	33 MoReg 1534	33 MoReg 1706	34 MoReg 73	
2 CSR 70-11.050	Plant Industries	33 MoReg 1795	34 MoReg 183		
2 CSR 70-40.005	Plant Industries		33 MoReg 1803	34 MoReg 236	
2 CSR 90-10	Weights and Measures				33 MoReg 1193
2 CSR 90-10.001	Weights and Measures		33 MoReg 2089	34 MoReg 310	
2 CSR 90-10.011	Weights and Measures	33 MoReg 2081	33 MoReg 2089	34 MoReg 310	
2 CSR 90-10.012	Weights and Measures	33 MoReg 2082	33 MoReg 2090	34 MoReg 310	
2 CSR 90-10.013	Weights and Measures		33 MoReg 2091	34 MoReg 311	
2 CSR 90-10.014	Weights and Measures		33 MoReg 2091	34 MoReg 311	
2 CSR 90-10.016	Weights and Measures		33 MoReg 2092	34 MoReg 311	
2 CSR 90-10.017	Weights and Measures		33 MoReg 2092R	34 MoReg 311R	
2 CSR 90-10.020	Weights and Measures		33 MoReg 2093	34 MoReg 311	
2 CSR 90-10.040	Weights and Measures		33 MoReg 2093	34 MoReg 312	
2 CSR 90-10.100	Weights and Measures		33 MoReg 2094R	34 MoReg 312R	
	DEPARTMENT OF CONSERVATION				
3 CSR 10-4.111	Conservation Commission		33 MoReg 2094	34 MoReg 236	
3 CSR 10-4.113	Conservation Commission		33 MoReg 2094	34 MoReg 236	
3 CSR 10-4.117	Conservation Commission		33 MoReg 2095	34 MoReg 237	
3 CSR 10-5.205	Conservation Commission		33 MoReg 2095		
3 CSR 10-5.215	Conservation Commission		33 MoReg 2097		
3 CSR 10-5.220	Conservation Commission		33 MoReg 2097		
3 CSR 10-5.222	Conservation Commission		33 MoReg 2097		
3 CSR 10-5.225	Conservation Commission		33 MoReg 2098		
3 CSR 10-5.300	Conservation Commission		33 MoReg 2100	This Issue	
3 CSR 10-5.310	Conservation Commission		33 MoReg 2100		
3 CSR 10-5.315	Conservation Commission		33 MoReg 2100	This IssueW	
3 CSR 10-5.320	Conservation Commission		33 MoReg 2101		
3 CSR 10-5.321	Conservation Commission		33 MoReg 2101	This IssueW	
3 CSR 10-5.322	Conservation Commission		33 MoReg 2101	This IssueW	
3 CSR 10-5.323	Conservation Commission		33 MoReg 2101	This IssueW	
3 CSR 10-5.330	Conservation Commission		33 MoReg 2102	This IssueW	
3 CSR 10-5.340	Conservation Commission		33 MoReg 2104	This IssueW	
3 CSR 10-5.345	Conservation Commission		33 MoReg 2106	This IssueW	
3 CSR 10-5.351	Conservation Commission		33 MoReg 2108	This IssueW	
3 CSR 10-5.352	Conservation Commission		33 MoReg 2110	This IssueW	
3 CSR 10-5.359	Conservation Commission		33 MoReg 2112	This IssueW	
3 CSR 10-5.360	Conservation Commission		33 MoReg 2114	This IssueW	
3 CSR 10-5.365	Conservation Commission		33 MoReg 2116	This IssueW	
3 CSR 10-5.370	Conservation Commission		33 MoReg 2118	This IssueW	
3 CSR 10-5.375	Conservation Commission		33 MoReg 2120	This IssueW	
3 CSR 10-5.420	Conservation Commission		33 MoReg 2122R		
3 CSR 10-5.425	Conservation Commission		33 MoReg 2122	This IssueW	
3 CSR 10-5.430	Conservation Commission		33 MoReg 2124		
3 CSR 10-5.435	Conservation Commission		33 MoReg 2126	This IssueW	
3 CSR 10-5.436	Conservation Commission		33 MoReg 2128		
3 CSR 10-5.440	Conservation Commission		33 MoReg 2130	This IssueW	
3 CSR 10-5.445	Conservation Commission		33 MoReg 2132	This IssueW	
3 CSR 10-5.540	Conservation Commission		33 MoReg 2134		
3 CSR 10-5.545	Conservation Commission		33 MoReg 2136		
3 CSR 10-5.551	Conservation Commission		33 MoReg 2138		
3 CSR 10-5.552	Conservation Commission		33 MoReg 2140		
3 CSR 10-5.554	Conservation Commission		33 MoReg 2142		
3 CSR 10-5.559	Conservation Commission		33 MoReg 2144		
3 CSR 10-5.560	Conservation Commission		33 MoReg 2146		
3 CSR 10-5.565	Conservation Commission		33 MoReg 2148		
3 CSR 10-5.567	Conservation Commission		33 MoReg 2150		

Rule Number	Agency	Emergency	Proposed	Order	In Addition
3 CSR 10-5.570	Conservation Commission		33 MoReg 2152		
3 CSR 10-5.576	Conservation Commission		33 MoReg 2154R		
3 CSR 10-5.579	Conservation Commission		33 MoReg 2156R		
3 CSR 10-5.580	Conservation Commission		33 MoReg 2158R		
3 CSR 10-6.410	Conservation Commission		33 MoReg 2160	This Issue	
3 CSR 10-6.415	Conservation Commission		33 MoReg 2160	This Issue	
3 CSR 10-6.530	Conservation Commission		33 MoReg 2160	This Issue	
3 CSR 10-6.533	Conservation Commission		33 MoReg 2160	This Issue	
3 CSR 10-6.540	Conservation Commission		33 MoReg 2161	This Issue	
3 CSR 10-6.550	Conservation Commission		33 MoReg 2161	This Issue	
3 CSR 10-6.615	Conservation Commission		33 MoReg 2162	This Issue	
3 CSR 10-6.620	Conservation Commission		33 MoReg 2162	This Issue	
3 CSR 10-7.405	Conservation Commission		33 MoReg 2162	This Issue	
3 CSR 10-7.410	Conservation Commission		33 MoReg 2162	This Issue	
3 CSR 10-7.431	Conservation Commission		33 MoReg 2163	This Issue	
3 CSR 10-7.433	Conservation Commission		33 MoReg 2163	This Issue	
3 CSR 10-7.434	Conservation Commission		33 MoReg 2164	This Issue	
3 CSR 10-7.437	Conservation Commission		33 MoReg 2165	This Issue	
3 CSR 10-7.455	Conservation Commission		33 MoReg 2165		34 MoReg 241
3 CSR 10-8.515	Conservation Commission		33 MoReg 2166	This Issue	
3 CSR 10-9.110	Conservation Commission		33 MoReg 2166	This Issue	
3 CSR 10-9.353	Conservation Commission		33 MoReg 2168	This Issue	
3 CSR 10-9.359	Conservation Commission		33 MoReg 2168	This Issue	
3 CSR 10-9.415	Conservation Commission		33 MoReg 2168	This Issue	
3 CSR 10-9.425	Conservation Commission		33 MoReg 2169	This Issue	
3 CSR 10-9.565	Conservation Commission		33 MoReg 2169	This Issue	
3 CSR 10-9.566	Conservation Commission		33 MoReg 2170	This Issue	
3 CSR 10-9.575	Conservation Commission		33 MoReg 2170	This Issue	
3 CSR 10-9.628	Conservation Commission		33 MoReg 2171	This Issue	
3 CSR 10-10.711	Conservation Commission		33 MoReg 2171	This IssueW	
3 CSR 10-10.715	Conservation Commission		33 MoReg 2173	This Issue	
3 CSR 10-10.716	Conservation Commission		33 MoReg 2173	This Issue	
3 CSR 10-10.722	Conservation Commission		33 MoReg 2173		
3 CSR 10-10.724	Conservation Commission		33 MoReg 2174		
3 CSR 10-10.725	Conservation Commission		33 MoReg 2176		
3 CSR 10-10.726	Conservation Commission		33 MoReg 2176		
3 CSR 10-10.727	Conservation Commission		33 MoReg 2176		
3 CSR 10-10.728	Conservation Commission		33 MoReg 2177		
3 CSR 10-10.735	Conservation Commission		33 MoReg 2179	This Issue	
3 CSR 10-10.767	Conservation Commission		33 MoReg 2179	This Issue	
3 CSR 10-10.784	Conservation Commission		33 MoReg 2179	This Issue	
3 CSR 10-10.787	Conservation Commission		33 MoReg 2180	This Issue	
3 CSR 10-11.110	Conservation Commission		33 MoReg 2180	This Issue	
3 CSR 10-11.115	Conservation Commission		33 MoReg 2180	This Issue	
3 CSR 10-11.140	Conservation Commission		33 MoReg 2181	This Issue	
3 CSR 10-11.150	Conservation Commission		33 MoReg 2181	This Issue	
3 CSR 10-11.160	Conservation Commission		33 MoReg 2182	This Issue	
3 CSR 10-11.165	Conservation Commission		33 MoReg 2182	This Issue	
3 CSR 10-11.180	Conservation Commission		33 MoReg 2182	This Issue	
3 CSR 10-11.184	Conservation Commission		33 MoReg 2185	This Issue	
3 CSR 10-11.205	Conservation Commission		33 MoReg 2185	This Issue	
3 CSR 10-11.210	Conservation Commission		33 MoReg 2186	This Issue	
3 CSR 10-11.215	Conservation Commission		33 MoReg 2186	This Issue	
3 CSR 10-12.110	Conservation Commission		33 MoReg 2187	This Issue	
3 CSR 10-12.115	Conservation Commission		33 MoReg 2187	This Issue	
3 CSR 10-12.125	Conservation Commission		33 MoReg 2188	This Issue	
3 CSR 10-12.135	Conservation Commission		33 MoReg 2189	This Issue	
3 CSR 10-12.140	Conservation Commission		33 MoReg 2189	This Issue	
3 CSR 10-12.145	Conservation Commission		33 MoReg 2190	This Issue	
3 CSR 10-20.805	Conservation Commission		33 MoReg 2191		
DEPARTMENT OF ECONOMIC DEVELOPMENT					
4 CSR 85-5.010	Division of Business and Community Services		33 MoReg 1555	34 MoReg 129	
4 CSR 85-5.020	Division of Business and Community Services		33 MoReg 1556	34 MoReg 129	
4 CSR 85-5.030	Division of Business and Community Services		33 MoReg 1556	34 MoReg 130	
4 CSR 240-3.162	Public Service Commission		34 MoReg 187		34 MoReg 240RAN
4 CSR 240-20.065	Public Service Commission		33 MoReg 1397	34 MoReg 73	
4 CSR 240-20.091	Public Service Commission		34 MoReg 196		34 MoReg 240RAN
4 CSR 240-31.010	Public Service Commission	33 MoReg 1651	33 MoReg 1660	34 MoReg 76	
4 CSR 240-33.170	Public Service Commission		33 MoReg 1942		
DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION					
5 CSR 30-261.025	Division of Administrative and Financial Services		33 MoReg 1946		
5 CSR 30-640.100	Division of Administrative and Financial Services		34 MoReg 113		

Rule Number	Agency	Emergency	Proposed	Order	In Addition
5 CSR 80-800.200	Teacher Quality and Urban Education		This Issue		
5 CSR 80-800.220	Teacher Quality and Urban Education		This Issue		
5 CSR 80-800.230	Teacher Quality and Urban Education		This Issue		
5 CSR 80-800.260	Teacher Quality and Urban Education		This Issue		
5 CSR 80-800.270	Teacher Quality and Urban Education		This Issue		
5 CSR 80-800.280	Teacher Quality and Urban Education		This Issue		
5 CSR 80-800.350	Teacher Quality and Urban Education		This Issue		
5 CSR 80-800.360	Teacher Quality and Urban Education		This Issue		
5 CSR 80-800.380	Teacher Quality and Urban Education		This Issue		
DEPARTMENT OF HIGHER EDUCATION					
6 CSR 10-2.010	Commissioner of Higher Education		34 MoReg 115R		
6 CSR 10-2.020	Commissioner of Higher Education		34 MoReg 115R		
6 CSR 10-2.080	Commissioner of Higher Education		34 MoReg 115		
6 CSR 10-2.140	Commissioner of Higher Education		34 MoReg 119		
6 CSR 10-2.150	Commissioner of Higher Education		34 MoReg 121		
6 CSR 10-2.160	Commissioner of Higher Education		34 MoReg 122		
6 CSR 10-2.170	Commissioner of Higher Education		34 MoReg 124		
DEPARTMENT OF TRANSPORTATION					
7 CSR 10-23.010	Missouri Highways and Transportation Commission		33 MoReg 2426		
7 CSR 10-23.020	Missouri Highways and Transportation Commission		33 MoReg 2427		
7 CSR 10-23.030	Missouri Highways and Transportation Commission		33 MoReg 2428		
7 CSR 10-25.010	Missouri Highways and Transportation Commission				34 MoReg 241
					34 MoReg 314
7 CSR 10-25.020	Missouri Highways and Transportation Commission	33 MoReg 1535	33 MoReg 1559	34 MoReg 131	
DEPARTMENT OF LABOR AND INDUSTRIAL RELATIONS					
8 CSR 10-2.020	Division of Employment Security		33 MoReg 1865	34 MoReg 312	
8 CSR 10-3.010	Division of Employment Security		33 MoReg 1710	34 MoReg 76	
8 CSR 10-5.010	Division of Employment Security		33 MoReg 1865		
8 CSR 10-5.015	Division of Employment Security		33 MoReg 1866		
8 CSR 10-5.030	Division of Employment Security		33 MoReg 1868		
8 CSR 10-5.040	Division of Employment Security		33 MoReg 1869		
8 CSR 10-5.050	Division of Employment Security		33 MoReg 1869		
8 CSR 30-4.010	Division of Labor Standards		33 MoReg 1710R	34 MoReg 237R	
			33 MoReg 1710	34 MoReg 237	
8 CSR 30-4.020	Division of Labor Standards		33 MoReg 1711R	34 MoReg 237R	
			33 MoReg 1711	34 MoReg 237	
8 CSR 30-4.030	Division of Labor Standards		33 MoReg 1712R	34 MoReg 237R	
8 CSR 30-4.040	Division of Labor Standards		33 MoReg 1712	34 MoReg 238	
8 CSR 30-4.060	Division of Labor Standards		33 MoReg 1712	34 MoReg 238	
8 CSR 50-3.010	Division of Workers' Compensation		33 MoReg 1713	34 MoReg 132	
DEPARTMENT OF MENTAL HEALTH					
9 CSR 10-5.200	Director, Department of Mental Health		34 MoReg 12		
9 CSR 10-5.230	Director, Department of Mental Health		34 MoReg 14		
9 CSR 10-31.030	Director, Department of Mental Health	33 MoReg 1379	33 MoReg 1407	34 MoReg 77	
9 CSR 30-4.0431	Certification Standards		33 MoReg 1804	This Issue	
DEPARTMENT OF NATURAL RESOURCES					
10 CSR 10-2.385	Air Conservation Commission		33 MoReg 1573	34 MoReg 77	
10 CSR 10-5.290	Air Conservation Commission		33 MoReg 1805R		
10 CSR 10-5.381	Air Conservation Commission		33 MoReg 1946		
10 CSR 10-5.385	Air Conservation Commission		33 MoReg 1574	34 MoReg 80	
10 CSR 10-5.430	Air Conservation Commission		33 MoReg 1661R	34 MoReg 312R	
10 CSR 10-5.570	Air Conservation Commission		34 MoReg 199		
10 CSR 10-6.045	Air Conservation Commission		34 MoReg 205		
10 CSR 10-6.060	Air Conservation Commission		33 MoReg 2192		
10 CSR 10-6.061	Air Conservation Commission		33 MoReg 1960		
10 CSR 10-6.100	Air Conservation Commission		33 MoReg 2204		
10 CSR 10-6.120	Air Conservation Commission		34 MoReg 206		
10 CSR 10-6.260	Air Conservation Commission		34 MoReg 208		
10 CSR 10-6.320	Air Conservation Commission		34 MoReg 212R		
10 CSR 10-6.350	Air Conservation Commission		33 MoReg 2315		
10 CSR 10-6.360	Air Conservation Commission		33 MoReg 2316		
10 CSR 10-6.400	Air Conservation Commission		33 MoReg 1870		
10 CSR 10-6.410	Air Conservation Commission		33 MoReg 2206		
10 CSR 20-6.010	Clean Water Commission		33 MoReg 1134	34 MoReg 136	
10 CSR 20-6.200	Clean Water Commission		This Issue		
10 CSR 20-6.300	Clean Water Commission		33 MoReg 1134	34 MoReg 136	
10 CSR 20-7.031	Clean Water Commission	33 MoReg 2415	This Issue		
10 CSR 20-7.050	Clean Water Commission	33 MoReg 1855	33 MoReg 1870		
10 CSR 23-1.050	Division of Geology and Land Survey		33 MoReg 1661	34 MoReg 146	
10 CSR 23-1.060	Division of Geology and Land Survey		33 MoReg 1664	34 MoReg 147	
10 CSR 25-3.260	Hazardous Waste Management Commission		33 MoReg 2207		
10 CSR 25-4.261	Hazardous Waste Management Commission		33 MoReg 2209		
10 CSR 25-5.262	Hazardous Waste Management Commission		33 MoReg 2210		
10 CSR 25-6.263	Hazardous Waste Management Commission		33 MoReg 2214		

Rule Number	Agency	Emergency	Proposed	Order	In Addition
10 CSR 25-7.264	Hazardous Waste Management Commission		33 MoReg 2215		
10 CSR 25-7.265	Hazardous Waste Management Commission		33 MoReg 2219		
10 CSR 25-7.266	Hazardous Waste Management Commission		33 MoReg 2222		
10 CSR 25-7.268	Hazardous Waste Management Commission		33 MoReg 2223		
10 CSR 25-7.270	Hazardous Waste Management Commission		33 MoReg 2223		
10 CSR 25-11.279	Hazardous Waste Management Commission		33 MoReg 2225		
10 CSR 25-12.010	Hazardous Waste Management Commission		33 MoReg 2226		
10 CSR 25-13.010	Hazardous Waste Management Commission		33 MoReg 2228		
10 CSR 25-16.273	Hazardous Waste Management Commission		33 MoReg 2230		
10 CSR 25-18.010	Hazardous Waste Management Commission		This Issue		
10 CSR 60-2.015	Safe Drinking Water Commission		33 MoReg 1964		
10 CSR 60-4.052	Safe Drinking Water Commission		33 MoReg 1967		
10 CSR 60-4.090	Safe Drinking Water Commission		33 MoReg 1991		
10 CSR 60-4.092	Safe Drinking Water Commission		33 MoReg 1996		
10 CSR 60-4.094	Safe Drinking Water Commission		33 MoReg 1996		
10 CSR 60-5.010	Safe Drinking Water Commission		33 MoReg 2006		
10 CSR 60-7.010	Safe Drinking Water Commission		33 MoReg 2006		
10 CSR 60-8.010	Safe Drinking Water Commission		33 MoReg 2010		
10 CSR 60-8.030	Safe Drinking Water Commission		33 MoReg 2014		
10 CSR 60-9.010	Safe Drinking Water Commission		33 MoReg 2018		
10 CSR 70-9.010	Soil and Water Districts Commission		33 MoReg 1722		
10 CSR 140-2	Division of Energy				33 MoReg 1103 33 MoReg 1193

DEPARTMENT OF PUBLIC SAFETY

11 CSR 40-2.025	Division of Fire Safety	34 MoReg 175	34 MoReg 212		
11 CSR 45-1.090	Missouri Gaming Commission	33 MoReg 2303	33 MoReg 2317		
11 CSR 45-5.053	Missouri Gaming Commission	33 MoReg 2303	33 MoReg 2318		
11 CSR 45-5.100	Missouri Gaming Commission		33 MoReg 2318		
11 CSR 45-6.040	Missouri Gaming Commission	33 MoReg 2304R	33 MoReg 2319R		
11 CSR 45-8.120	Missouri Gaming Commission	33 MoReg 2304	33 MoReg 2319		
11 CSR 45-9.010	Missouri Gaming Commission		33 MoReg 2320		
11 CSR 45-9.020	Missouri Gaming Commission		33 MoReg 2320		
11 CSR 45-9.030	Missouri Gaming Commission	33 MoReg 2305	33 MoReg 2320		
11 CSR 45-9.040	Missouri Gaming Commission	33 MoReg 2305	33 MoReg 2322		
11 CSR 45-11.020	Missouri Gaming Commission	33 MoReg 2306	33 MoReg 2323		
11 CSR 45-11.050	Missouri Gaming Commission	33 MoReg 2306	33 MoReg 2326		
11 CSR 80-5.010	Missouri State Water Patrol		34 MoReg 282		
11 CSR 85-1.010	Veterans' Affairs		34 MoReg 284		
11 CSR 85-1.015	Veterans' Affairs		34 MoReg 285		
11 CSR 85-1.020	Veterans' Affairs		34 MoReg 285		
11 CSR 85-1.040	Veterans' Affairs		34 MoReg 286		
11 CSR 85-1.050	Veterans' Affairs		34 MoReg 286		

DEPARTMENT OF REVENUE

12 CSR 10-7.170	Director of Revenue		33 MoReg 2018R	This IssueR	
12 CSR 10-7.250	Director of Revenue		33 MoReg 2018R	This IssueR	
12 CSR 10-7.260	Director of Revenue		33 MoReg 2019R	This IssueR	
12 CSR 10-7.320	Director of Revenue		34 MoReg 215R		
12 CSR 10-16.170	Director of Revenue		34 MoReg 215R		
12 CSR 10-23.100	Director of Revenue		33 MoReg 2232	This Issue	
12 CSR 10-41.010	Director of Revenue	33 MoReg 2307	33 MoReg 2326		
12 CSR 10-43.030	Director of Revenue		33 MoReg 2019	This Issue	
12 CSR 10-103.380	Director of Revenue		33 MoReg 2020R	This IssueR	
12 CSR 30-3.010	State Tax Commission		33 MoReg 2235		

DEPARTMENT OF SOCIAL SERVICES

13 CSR 30-3.010	Child Support Enforcement (<i>Changed to 13 CSR 40-3.010</i>)		34 MoReg 16		
13 CSR 30-3.020	Child Support Enforcement (<i>Changed to 13 CSR 40-3.020</i>)		34 MoReg 16		
13 CSR 30-4.010	Child Support Enforcement		33 MoReg 1078R	33 MoReg 1754R	
13 CSR 40-2.390	Family Support Division	33 MoReg 1941	33 MoReg 2021		
13 CSR 40-3.010	Family Support Division (<i>Changed from 13 CSR 30-3.010</i>)		34 MoReg 16		
13 CSR 40-3.020	Family Support Division (<i>Changed from 13 CSR 30-3.020</i>)		34 MoReg 16		
13 CSR 70-4.120	MO HealthNet Division		33 MoReg 440		
13 CSR 70-6.010	MO HealthNet Division		33 MoReg 1672	34 MoReg 82	
13 CSR 70-10.016	MO HealthNet Division	33 MoReg 2083	33 MoReg 1429	33 MoReg 2370	
13 CSR 70-10.080	MO HealthNet Division		33 MoReg 1442	33 MoReg 2371	
13 CSR 70-15.200	MO HealthNet Division		33 MoReg 2430		
13 CSR 70-20.320	MO HealthNet Division	33 MoReg 1856	33 MoReg 1871		
13 CSR 70-25.110	MO HealthNet Division		33 MoReg 1722	34 MoReg 83	
13 CSR 70-30.010	MO HealthNet Division		33 MoReg 2331		
13 CSR 70-60.010	MO HealthNet Division		34 MoReg 286		
13 CSR 70-70.010	MO HealthNet Division		33 MoReg 2235		

Rule Number	Agency	Emergency	Proposed	Order	In Addition
13 CSR 70-94.010	MO HealthNet Division		33 MoReg 1723	34 MoReg 83	
13 CSR 70-94.020	MO HealthNet Division		33 MoReg 1725	34 MoReg 83	
13 CSR 70-98.015	MO HealthNet Division		33 MoReg 2331		
ELECTED OFFICIALS					
15 CSR 30-10.110	Secretary of State	33 MoReg 1857	33 MoReg 1874	34 MoReg 238	
RETIREMENT SYSTEMS					
16 CSR 50-2.090	The County Employees' Retirement Fund		34 MoReg 215		
16 CSR 50-2.120	The County Employees' Retirement Fund		33 MoReg 1877	34 MoReg 238	
16 CSR 50-3.010	The County Employees' Retirement Fund		34 MoReg 216		
16 CSR 50-10.010	The County Employees' Retirement Fund		34 MoReg 217		
16 CSR 50-10.030	The County Employees' Retirement Fund		34 MoReg 217		
16 CSR 50-10.050	The County Employees' Retirement Fund		33 MoReg 1877	34 MoReg 238	
16 CSR 50-20.020	The County Employees' Retirement Fund		34 MoReg 218		
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13 CSR 70-20.320	Pharmacy Reimbursement Allowance33 MoReg 1856 . . .Sept. 22, 2008	March 20, 2009
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20 CSR 400-1.170	Recognition of Preferred Mortality Tables in Determining Minimum Reserve Liabilities and Nonforfeiture Benefits . . .34 MoReg 175Dec. 31, 2008		June 28, 2009
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20 CSR 500-7.030	General Instructions33 MoReg 2085	Jan. 1, 2009	June 29, 2009
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09-11	Orders the Department of Health and Senior Services and the Department of Social Services to transfer the Blindness Education, Screening and Treatment Program (BEST) to the Department of Economic Development	February 4, 2009	Next Issue
09-10	Orders the Department of Elementary and Secondary Education and the Department of Economic Development to transfer the Missouri Customized Training Program to the Department of Economic Development	February 4, 2009	Next Issue
09-09	Transfers the various scholarship programs under the Departments of Agriculture, Elementary and Secondary Education, Higher Education, and Natural Resources to the Department of Higher Education	February 4, 2009	Next Issue
09-08	Designates members of the governor's staff as having supervisory authority over departments, divisions, or agencies	February 2, 2009	This Issue
09-07	Gives the director of the Missouri Department of Natural Resources the authority to temporarily suspend regulations in the aftermath of severe weather that began on January 26	January 30, 2009	This Issue
09-06	Activates the state militia in response to the aftermath of severe storms that began on January 26	January 28, 2009	This Issue
09-05	Establishes a Complete Count Committee for the 2010 Census	January 27, 2009	This Issue
09-04	Declares a state of emergency and activates the Missouri State Emergency Operations Plan	January 26, 2009	This Issue
09-03	Directs the Missouri Department of Economic Development, working with the Missouri Development Finance Board, to create a pool of funds designated for low-interest and no-interest direct loans for small business	January 13, 2009	34 MoReg 281
09-02	Creates the Economic Stimulus Coordination Council	January 13, 2009	34 MoReg 279
09-01	Creates the Missouri Automotive Jobs Task Force	January 13, 2009	34 MoReg 277

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08-41	Extends Executive Order 07-31 until January 12, 2009	January 9, 2009	34 MoReg 275
08-40	Extends Executive Order 07-01 until January 1, 2010	December 17, 2008	34 MoReg 181
08-39	Closes state offices in Cole County on Monday, January 12, 2009	December 3, 2008	34 MoReg 11
08-38	Amends Executive Order 03-17 to revise the composition of the committee to include the Divisional Commander of the Midland Division of the Salvation Army or his or her designee	November 25, 2008	34 MoReg 10
08-37	Orders the Department of Natural Resources to develop a voluntary certification program to identify environmentally responsible practices in Missouri's lodging industries	November 13, 2008	33 MoReg 2424
08-36	Orders the departments and agencies of the Executive Branch of Missouri state government to adopt a Pandemic Flu Share Leave Program	October 23, 2008	33 MoReg 2313
08-35	Creates the Division of Developmental Disabilities and abolishes the Division of Mental Retardation and Developmental Disabilities within the Department of Mental Health	October 16, 2008	33 MoReg 2311
08-34	Establishes the Complete Count Committee to ensure an accurate count of Missouri citizens during the 2010 Census	October 21, 2008	33 MoReg 2309
08-33	Advises that state offices will be closed on Friday, December 26, 2008	October 29, 2008	33 MoReg 2308
08-32	Advises that state offices will be closed on Friday, November 28, 2008	October 2, 2008	33 MoReg 2088
08-31	Declares that a state of emergency exists in the state of Missouri and directs that the Missouri State Emergency Operations Plan be activated	September 15, 2008	33 MoReg 1863
08-30	Directs the Adjutant General call and order into active service such portions of the organized militia as he deems necessary to aid the executive officials of Missouri, to protect life and property, and to support civilian authorities	September 15, 2008	33 MoReg 1861
08-29	Transfers the Breath Alcohol Program back to the Department of Health and Senior Services from the Department of Transportation by Type I transfer	September 12, 2008	33 MoReg 1859
08-28	Orders and directs the Adjutant General of the state of Missouri, or his designee, to call and order forthwith into active service such portions of the organized militia as he deems necessary to aid the executive officials of Missouri to protect life and property	August 30, 2008	33 MoReg 1801

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08-27	Declares that Missouri will implement the Emergency Management Assistance Compact with Louisiana in evacuating disaster victims associated with Hurricane Gustav from that state to the state of Missouri	August 30, 2008	33 MoReg 1799
08-26	Extends the order contained in Executive Orders 08-21, 08-23, and 08-25	August 29, 2008	33 MoReg 1797
08-25	Extends the order contained in Executive Orders 08-21 and 08-23	July 28, 2008	33 MoReg 1658
08-24	Extends the declaration of emergency contained in Executive Order 08-20 and the terms of Executive Order 08-19	July 11, 2008	33 MoReg 1546
08-23	Extends the declaration of emergency contained in Executive Order 08-21	July 11, 2008	33 MoReg 1545
08-22	Designates members of staff with supervisory authority over selected state agencies	July 3, 2008	33 MoReg 1543
08-21	Authorizes the Department of Natural Resources to temporarily waive or suspend rules during the period of the emergency	June 20, 2008	33 MoReg 1389
08-20	Declares a state of emergency exists and directs the Missouri State Emergency Operations Plan be activated	June 11, 2008	33 MoReg 1331
08-19	Orders and directs the Adjutant General of the state of Missouri, or his designee, to call and order forthwith into active service such portions of the organized militia as he deems necessary to aid the executive officials of Missouri to protect life and property	June 11, 2008	33 MoReg 1329
08-18	Authorizes the Department of Natural Resources to temporarily waive or suspend rules during the period of the emergency	May 13, 2008	33 MoReg 1131
08-17	Extends the declaration of emergency contained in Executive Order 08-14 and the terms of Executive Order 08-15	April 29, 2008	33 MoReg 1071
08-15	Calls organized militia into active service	April 1, 2008	33 MoReg 905
08-14	Declares a state of emergency exists and directs the Missouri State Emergency Operations Plan be activated	April 1, 2008	33 MoReg 903
08-13	Expands the number of state employees allowed to participate in the Missouri Mentor Initiative	March 27, 2008	33 MoReg 901
08-12	Authorizes the Department of Natural Resources to temporarily waive or suspend rules during the period of the emergency	March 21, 2008	33 MoReg 899
08-11	Calls organized militia into active service	March 18, 2008	33 MoReg 897
08-10	Declares a state of emergency exists and directs the Missouri State Emergency Operations Plan be activated	March 18, 2008	33 MoReg 895
08-09	Establishes the Missouri Civil War Sesquicentennial Commission	March 6, 2008	33 MoReg 783
08-08	Gives Department of Natural Resources authority to suspend regulations in the aftermath of severe weather that began on February 10, 2008	February 20, 2008	33 MoReg 715
08-07	Declares that a state of emergency exists in the state of Missouri.	February 12, 2008	33 MoReg 625
08-06	Orders and directs the Adjutant General of the state of Missouri, or his designee, to call and order forthwith into active service such portions of the organized militia as he deems necessary to aid the executive officials of Missouri to protect life and property	February 12, 2008	33 MoReg 623
08-05	Extends Executive Orders, 07-34, 07-36 and 07-39 through March 15, 2008 for the purpose of continuing the cleanup efforts in affected communities	February 11, 2008	33 MoReg 621
08-04	Transfers authority of the sexual assault evidentiary kit and exam payment program from the Department of Health and Senior Services to Department of Public Safety by Type 1 transfer	February 6, 2008	33 MoReg 619
08-03	Activates the state militia in response to the aftermath of severe storms that began on January 7, 2008	January 11, 2008	33 MoReg 405
08-02	Activates the Missouri State Emergency Operations Plan in the aftermath of severe weather that began on January 7, 2008	January 11, 2008	33 MoReg 403
08-01	Establishes the post of Missouri Poet Laureate	January 8, 2008	33 MoReg 401

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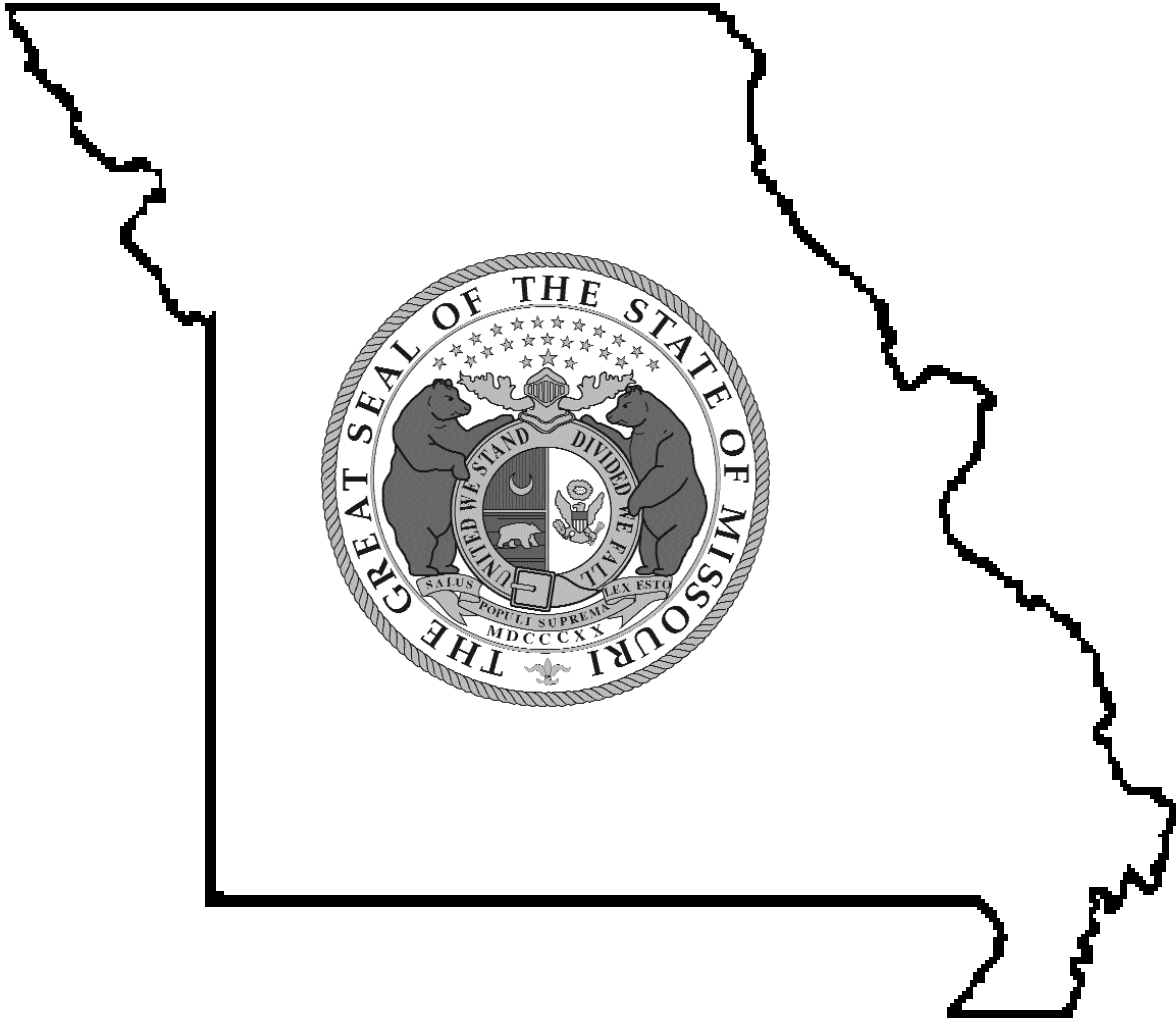
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adjustments to the distribution of funds allocated pursuant to Article IV, Section 30 (a) of the *Missouri Constitution* as referenced in section 142.345, RSMo; 12 CSR 10-7.320; 2/3/09
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RULEMAKING 1-2-3

DRAFTING AND STYLE MANUAL



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